Moose, Bighorn Sheep, and Mountain Goat Hunting and Harvest Estimates License Year 2005

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Introduction

Since 1941, the State of Montana has used post-season surveys of hunting license and permit (LPT) holders to estimate wildlife harvest (Thompson 1947). Results of these surveys are used to develop hunting season regulations, evaluate and develop wildlife management strategies, for wildlife research, for hunt planning by the public, as well as other applications.

Over the years, methods used to conduct the surveys have gone through several changes. Some of these changes have resulted from major program reviews (Gooch 1971, Cada 1983, Cada et al. 1986), and some have resulted from the increasing complexity of hunting regulations (ex. Gooch 1971 vs. Martin 2005). Several program changes have also resulted from changes in staff responsible for conducting the harvest surveys.

License years 2004 and 2005 mark the beginning of a major change in staffing as well as a reorganization of the harvest survey team and program. For the previous 20+ years, the survey team has consisted of staff from the Research and Technical Services Bureau (RTS) in the Wildlife Division. This staff included the Bureau supervisor, a programmer/ analyst, and a survey coordinator to oversee a staff of approximately 60-80 survey interviewers that collected the data. The team has often had additional database programming support, and in recent years this support has come from non-agency contractors. Beginning in license year 2004, the RTS programmer/ analyst position was vacated and then eliminated. Duties related to data entry and data management, previously a responsibility of this position, have been transferred to the new Application Development Bureau in the Information Services Division. This permits increased focus on these activities and will lead to substantial program development in coming years. Subsequently, RTS created a biometrician position, which will have significant time devoted to the harvest surveys program. This position will focus on procedures for sampling LPT holders and estimating hunting and harvest-related quantities, which will add increased focus on these areas. This will lead to program development related to statistical issues in coming years. Additionally, lead survey interviewer positions were created to add more structure to the team of interviewers and to share some of the supervisory responsibilities held by the survey coordinator. Finally, a working group was formed to oversee and influence the direction of the harvest surveys program. This working group consists of approximately 15 biologists, researchers, and other FWP personnel that make use of the harvest surveys estimates and represent various regions and divisions of the agency. The scope of the group is broad, but includes program directions as well as estimation methods.

This reorganization has resulted in several changes that affect estimates of hunting- and harvest- related quantities. As this is the first year these changes were implemented, methods are described with some detail in this report. Despite these changes, tables of estimates generated from the survey data look similar to those received by FWP staff in previous years. Those tables are presented in the results section.

Methods

Parameters estimated

In an effort to define the parameters of the LPT holder population that need to be estimated during the annual hunting and harvest survey, an effort was made to explicitly identify what quantities related to moose, sheep, and goat (special big game) hunting and harvest are necessary for annual use by FWP staff and the public. Due to the straightforward licensing process for special big game (one license per hunter, which can only be used to harvest one animal in one area), all of the quantities listed below are estimated by hunting district and LPT for both residents and non-residents, as well as by residendicy at the regional and statewide levels.

Hunting-related parameters

Hunter success. For special big game populations, this parameter is often used as an index of population trend in a particular area, either in conjunction with population survey data or in lieu of population survey data when such data are unavailable due to funding limitations. Hunters also use this parameter in planning which licenses to apply for. This parameter is technically defined as the ratio of the number of LPT holders that harvested an animal to the number of LPT holders that actively participated in hunting.

Number of hunters. This quantity is often useful for hunting season regulation changes, for example changes in total harvest may be due to fewer or more hunters rather than changes in animal population sizes. It is also required to estimate the economic impact of hunting in different areas, as these calculations rely on the number of hunters and hunter days. This quantity is defined as the total number of LPT holders that spent at least a portion of one day hunting in the area of interest.

Hunter days. This quantity is often useful for hunting season regulation changes, for example changes in total harvest may be due to fewer or more hunter days rather than changes in animal population sizes. As with the number of hunters, it is also required to estimate the economic impact of hunting in different areas. This quantity is defined as the total number of days that LPT holders spent at least a portion of the day hunting in a hunting district, in given region, or in all hunting districts in the state.

Days per hunter ratio. This quantity is used to monitor changes in the average hunter effort as an index of the density and distribution of animals in an area. The quantity is defined as the ratio of the number of days hunted to the number of hunters for a given area, and thus requires no additional questions beyond those already asked of LPT holders during the survey interview.

Harvest-related parameters

Total harvest. This quantity is fundamental to wildlife management decisions. It is defined as the total number of animals harvested during the license year.

Management success. This quantity is useful for making changes to quotas of licenses and permits in particular areas. It is defined as the total harvest estimate divided by the total number of LPT's issued.

Harvest by age-sex classes. This quantity is also fundamental to wildlife management decisions. Estimates of the total number of adult males, adult females, and young of the year are needed on an annual basis to determine if adjustments to hunting season regulations or quotas need to be made in order to meet management goals.

Harvest by time period. This quantity is sometimes useful for creating hunting regulations to ensure desired distribution of harvest across time during the hunting season. In previous years, this quantity was defined as the total harvest in each of seven time periods, including prior to the general season, during each week of the four-week general season, after the general season, and an unknown category for reported kills with missing data for time period of kill. For this report, the categories were lumped into four classes, including prior to the general season, during the general season, after the general season, and an unknown category for reported kills with missing data for time period of kill. This will give us a greater ability to have precise estimates of harvest at the hunting district level for relatively small estimates of harvest in each of these categories.

Sampling

Residency and LPT were used to define sampling strata. This resulted in formation of 133 sampling strata for moose LPT holders, 59 sampling strata for bighorn sheep LPT holders, and 65 sampling strata for mountain goats LPT holders. Sampling rates for these strata were determined in large part using methods from previous years. Although the accuracy and precision goals for these sampling rates were not articulated, these sampling strata are relatively small, with the largest being 93 LPT holders. This means that all individuals must be sampled in order to maximize the accuracy and precision of estimates. So, we attempted to contact every LPT holder in every stratum (1370 people total).

Data collection

A team of approximately 65 telephone interviewers that were supervised by the survey coordinator collected the hunting and harvest data. Interviewers were hired and trained during November and December of 2005. The majority of interviewers were hired in Bozeman, and a survey calling center was developed in the Bozeman FWP Regional office. Five lead interviewers were hired in Bozeman to structure the interviewing staff at the call center. Additionally, approximately a third of the interviewers were hired in other areas of the state to call resident LPT holders residing in their local calling areas.

Calls were made to the sample of special big game LPT holders during December through March of 2006. Calls were made primarily from cell phones to avoid long-distance charges, though calls in local calling areas were made from landline phones to avoid cell phone minute charges. Sampled LPT holders were called up to three times in attempt to conduct the interview. If no contact was made at this point, uncontacted LPT holders were treated as non-respondents to the survey. When a contact was established with an LPT holder, interviewers asked license holders a set of pre-defined questions about special big game hunting and harvest activities during the 2005 license year (Appendix 1). Answers to these questions were recorded on paper datasheets. During and following the calling period, lead interviewers and the survey coordinator edited completed datasheets in an effort to monitor the quality of data and to correct obvious mistakes.

After the data were collected from LPT holders, datasheets were bundled and delivered to a data entry contractor. The contractor entered the data into a centralized Oracle database using data entry forms developed by FWP programmer analysts using Oracle Forms.

Data quality control and management

Quality control

Once data were entered to the database, additional quality control was performed using SQL in the Oracle database. This included eliminating duplicate records and enforcing data integrity constraints. In many cases this involved the creation of unknown categories for analysis and estimation, including an unknown age-sex class, unknown hunting districts within regions and statewide, and an unknown time period of harvest. While these categories may not be of direct interest, these data are useful for estimating hunting and harvest parameters at higher levels, for example total harvest including the unknown age-sex class and regional and statewide hunting and harvest statistics in the case of unknown hunting districts.

Analysis table creation

Separate tables to estimate hunting and harvest statistics were created for moose, sheep, and goat surveys. These tables contained a record for every LPT owned by every license holder that was selected for the survey. Each record includes information on the LPT, which hunter owned the LPT, the residency of that hunter, the total number of that type of LPT issued to hunters of that residency, whether the hunter that owned that LPT responded to the survey or not, as well as the following information for hunters that responded to the survey: whether a license holder hunted, the number of days they hunted, whether an animal was harvested, as well as details about animals that were harvested including the age-sex class and the time period when the animal was harvested.

Data analysis

Response rate

Non-response can bias estimates of hunting effort and harvest parameters. The potential for bias increases with the amount of non-response, and therefore higher response rates protect against non-response bias. In an effort to be clear about the potential for non-response bias in estimates of hunting effort and harvest statistics, response rates were calculated for each stratum that was sampled for each species.

We assumed that non-respondents were missing at random (MAR) from the sample (Lohr 1999). For this method to produce unbiased estimates, there must be little or no relationship between the probability that an LPT holder responded to the survey and the hunting effort and harvest statistics being estimated. For example, if non-respondents were less likely to harvest an animal than respondents, then estimates of total harvest will be biased high.

Estimation of hunting effort and harvest parameters

Estimates were generated for each stratum using estimators for simple random sampling, and for groups of strata using estimators for stratified random sampling (Thompson 2002). Estimated variances and confidence intervals were corrected for large sampling fractions using a finite population correction (fpc) factor (Thompson 2002). To estimate the combined hunter success and days:hunter ratios in a particular area, estimates for various LPT's were weighted by the estimated number of hunters in that area rather than the total number of LPT holders. This was done in order to avoid down-weighting estimates of the ratio in the cases where not all respondents reported hunting in an area. Therefore, combined residency estimates of both the hunter success and days:hunter ratios are conditioned on the LPT holders that reported hunting in a particular area, and can be interpreted as the expected success or number of days that an LPT holder hunted in a particular area, given that they hunted in the area.

Following tradition from the previous decade, confidence intervals were estimated around all hunter effort parameters except for hunter success. The only harvest parameter for which an 80% confidence interval was estimated was total harvest. Confidence intervals around these parameters were calculated using the normal distribution approximation (Thompson 2002). The absolute lower boundary of confidence intervals was set to the number of LPT holders in the sample with the population characteristic of interest, as this is the minimum number of LPT holders known to have the characteristic. Confidence intervals were not adjusted for multiple comparisons, and therefore cannot be interpreted as simultaneous confidence intervals. We expect 20% of the intervals around point estimates not to contain the true population value. In some cases, there was only one response in a stratum that contained more than one individual. In such cases, the stratum contribution to the total variance was taken to be the average of all the strata with a responding sample size of more than one individual. This adjustment results in a conservative estimate of the total variance (Lumley 2004). Estimates of population parameters and associated variances were not made for strata in which there were no respondents; all parameter estimates for these strata were set equal to zero.

All data analyses were conducted using the R statistical software program (R Development Core Team 2006). Extensive use was made of the survey analysis package written for R (Lumley 2004).

Results

Response rates were calculated for each LPT that was issued for moose (Table 1), sheep (Table 2), and goat (Table 3), by residency. Hunter effort and harvest statistics were estimated separately for moose (Table 4), sheep (Table 5), and goats (Table 6).

Table 1. Response rates for moose hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
N	100-00	1	1	1	1
N	101-00	1	1	1	1
N	102-00	1	1	1	1
N	105-00	2	2	2	1
N	106-00	1	1	1	1
N	110-00	1	1	1	1
N	111-00	1	1	1	1
N	311-20	1	1	1	1
N	323-20	1	1	1	1
N	331-10	1	1	1	1
N	331-20	1	1	1	1
N	AUCTION	1	1	0	0
N	SUM	13	13	12	0.92
R	100-00	14	14	13	0.93
R	101-00	14	14	13	0.93
R	102-00	11	11	10	0.91
R	103-00	5	5	5	1
R	104-00	5	5	5	1
R	105-00	18	18	17	0.94
R	106-00	14	14	14	1
R	110-00	9	9	9	1
R	111-00	9	9	9	1
R	112-00	5	5	5	1
R	121-00	6	6	6	1
R	122-00	6	6	6	1
R	125-00	2	2	2	1
R	130-00	5	5	5	1
R	140-00	5	5	5	1
R	141-00	6	6	5	0.83
R	150-00	2	2	2	1
R	210-10	4	4	4	1
R	210-20	4	4	2	0.5
R	211-10	3	3	3	1
R	211-20	3	3	3	1
R	212-10	5	5	5	1
R	212-20	7	7	7	1
R	214-00	2	2	2	1
R	214-10	2	2	2	1
R	215-10	2	2	1	0.5
R	215-20	3	3	3	1
R	220-20	3	3	3	1
R	230-20	4	4	4	1

Table 1. Response rates for moose hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
R	240-00	5	5	5	1
R	250-20	5	5	4	0.8
R	261-20	2	2	2	1
R	270-00	10	10	10	1
R	280-20	2	2	1	0.5
R	285-20	2	2	2	1
R	291-00	1	1	1	1
R	292-20	6	6	6	1
R	293-20	2	2	2	1
R	300-10	7	7	7	1
R	300-20	5	5	5	1
R	301-10	5	5	5	1
R	301-20	8	8	8	1
R	302-10	5	5	5	1
R	302-20	5	5	4	0.8
R	303-00	4	4	4	1
R	303-10	2	2	2	1
R	304-20	4	4	4	1
R	306-20	3	3	2	0.67
R	307-20	1	1	1	1
R	308-20	4	4	4	1
R	309-20	7	7	7	1
R	310-20	1	1	1	1
R	311-20	14	14	14	1
R	312-20	5	5	5	1
R	313-20	5	5	5	1
R	314-20	6	6	5	0.83
R	315-10	1	1	1	1
R	315-20	6	6	5	0.83
R	316-20	3	3	3	1
R	317-20	2	2	2	1
R	318-20	3	3	3	1
R	319-10	1	1	1	1
R	319-20	4	4	4	1
R	320-10	3	3	3	1
R	320-20	3	3	3	1
R	321-10	1	1	1	1
R	321-20	3	3	3	1
R	322-20	5	5	5	1
R	323-00	5	5	5	1
R	323-10	12	12	12	1
R	323-20	9	9	9	1
R	324-00	1	1	0	0

Table 1. Response rates for moose hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
R	324-10	5	5	5	1
R	324-20	8	8	8	1
R	325-10	2	2	2	1
R	325-20	4	4	4	1
R	326-00	5	5	5	1
R	326-10	12	12	9	0.75
R	326-20	5	5	5	1
R	327-00	3	3	3	1
R	327-10	7	7	6	0.86
R	327-20	8	8	8	1
R	328-20	2	2	2	1
R	329-20	5	5	4	0.8
R	330-10	5	5	5	1
R	330-20	5	5	5	1
R	331-10	9	9	8	0.89
R	331-20	9	9	9	1
R	332-10	5	5	4	0.8
R	332-20	5	5	5	1
R	333-10	2	2	2	1
R	333-20	2	2	2	1
R	334-10	3	3	3	1
R	334-11	3	3	3	1
R	334-20	5	5	5	1
R	335-20	3	3	3	1
R	340-10	10	10	10	1
R	340-20	10	10	10	1
R	341-10	1	1	1	1
R	341-20	3	3	3	1
R	350-10	2	2	2	1
R	350-20	5	5	4	0.8
R	360-20	5	5	5	1
R	361-20	5	5	5	1
R	362-20	3	3	3	1
R	380-10	2	2	2	1
R	380-20	5	5	5	1
R	382-20	3	3	3	1
R	415-20	3	3	3	1
R	494-00	6	6	6	1
R	496-00	4	4	4	1
R	512-20	1	1	1	1
R	513-20	3	3	3	1
R	514-00	2	2	2	1
R	514-10	1	1	1	1

Table 1. Response rates for moose hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
R	514-11	3	3	3	1
R	514-12	1	1	1	1
R	514-20	1	1	1	1
R	514-21	3	3	3	1
R	515-20	1	1	1	1
R	516-20	3	3	3	1
R	SUM	574	574	551	0.96
SUM	SUM	587	587	563	0.96

Table 2. Response rates for bighorn sheep hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
N	124-30	2	2	2	1
N	216-30	1	1	1	1
N	300-20	9	9	8	0.89
N	303-20	7	7	6	0.86
N	482-00	1	1	1	1
N	500-20	17	17	16	0.94
N	501-20	12	12	11	0.92
N	680-00	1	1	1	1
N	AUCTION	1	1	1	1
N	SUM	51	51	47	0.92
R	102-00	1	1	1	1
R	121-00	9	9	9	1
R	122-00	6	6	6	1
R	122-30	4	4	4	1
R	123-00	4	4	4	1
R	123-30	1	1	1	1
R	124-00	10	10	10	1
R	124-30	18	18	18	1
R	203-00	3	3	2	0.67
R	203-30	5	5	5	1
R	210-00	4	4	4	1
R	212-00	1	1	1	1
R	213-00	6	6	6	1
R	213-30	5	5	5	1
R	216-00	8	8	7	0.88
R	216-30	9	9	9	1
R	250-00	1	1	1	1
R	250-10	1	1	1	1
R	261-00	2	2	2	1
R	270-00	8	8	8	1
R	270-30	9	9	9	1
R	283-00	3	3	3	1
R	283-30	5	5	5	1
R	300-20	34	34	32	0.94
R	303-20	16	16	16	1
R	304-00	1	1	1	1
R	305-10	1	1	1	1
R	315-00	2	2	2	1
R	340-00	3	3	3	1
R	380-00	3	3	3	1
R	381-00	1	1	1	1
R	421-00	1	1	1	1
R	422-00	5	5	5	1

Table 2. Response rates for bighorn sheep hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
R	422-30	14	14	12	0.86
R	423-00	2	2	2	1
R	423-30	15	15	14	0.93
R	424-00	5	5	4	0.8
R	424-30	15	15	15	1
R	441-00	5	5	5	1
R	455-00	1	1	1	1
R	482-00	9	9	9	1
R	482-30	1	1	1	1
R	482-31	1	1	1	1
R	500-20	14	14	12	0.86
R	501-20	93	93	89	0.96
R	503-10	3	3	3	1
R	622-00	4	4	3	0.75
R	680-00	14	14	13	0.93
R	680-30	14	14	13	0.93
R	680-31	13	13	13	1
R	SUM	413	413	396	0.96
SUM	SUM	464	464	443	0.95

Table 3. Response rates for mountain goat hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
N	313-00	3	3	3	1
N	314-00	1	1	1	1
N	316-00	1	1	1	1
N	320-00	1	1	1	1
N	323-00	2	2	2	1
N	325-00	1	1	1	1
N	326-00	1	1	1	1
N	329-00	3	3	3	1
N	447-00	1	1	1	1
N	SUM	14	14	14	1
R	100-00	8	8	8	1
R	101-00	4	4	4	1
R	131-00	5	5	5	1
R	132-00	5	5	5	1
R	133-00	5	5	5	1
R	134-00	2	2	2	1
R	140-00	2	2	2	1
R	141-00	4	4	4	1
R	142-00	3	3	3	1
R	150-00	2	2	2	1
R	151-00	4	4	4	1
R	212-00	2	2	2	1
R	222-00	1	1	1	1
R	223-00	2	2	2	1
R	240-00	1	1	1	1
R	240-01	2	2	1	0.5
R	240-02	2	2	2	1
R	240-03	1	1	1	1
R	240-04	1	1	1	1
R	240-05	2	2	2	1
R	240-06	1	1	1	1
R	240-07	1	1	1	1
R	240-08	1	1	1	1
R	250-00	1	1	1	1
R	250-01	1	1	1	1
R	261-00	1	1	1	1
R	270-00	1	1	1	1
R	280-00	2	2	2	1
R	312-00	8	8	8	1
R	313-00	27	27	26	0.96
R	314-00	13	13	13	1
R	316-00	11	11	11	1
R	320-00	14	14	13	0.93

Table 3. Response rates for mountain goat hunting and harvest survey strata, license year 2005.

residency	LPT	number issued	number sampled	responses	response rate
R	321-00	4	4	4	1
R	322-00	2	2	2	1
R	323-00	24	24	23	0.96
R	324-00	4	4	4	1
R	325-00	9	9	7	0.78
R	326-00	15	15	14	0.93
R	327-00	8	8	6	0.75
R	328-00	4	4	4	1
R	329-00	29	29	28	0.97
R	330-00	6	6	6	1
R	331-00	5	5	4	0.8
R	362-00	6	6	6	1
R	393-00	5	5	5	1
R	414-00	1	1	1	1
R	415-00	3	3	3	1
R	442-00	1	1	1	1
R	447-00	11	11	11	1
R	451-00	4	4	4	1
R	460-00	5	5	5	1
R	514-00	4	4	4	1
R	517-00	8	8	8	1
R	518-00	5	5	4	0.8
R	519-00	2	2	1	0.5
R	SUM	305	305	292	0.96
SUM	SUM	319	319	306	0.96

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
State	N	SUM	13	11	11	11	89	89	89	8.1	8.1	8.1	8	8	8	72.7	61.5	1	7	0	0	0	8	0	0
State	R	SUM	574	562.9	560.3	565.5	5171.6	5068.2	5275.1	9.2	9	9.4	481.5	477.7	485.3	85.5	83.9	123.9	346.2	10.2	1.2	1	472.3	6	2.2
State	SUM	SUM	587	573.9	571.3	576.5	5260.6	5157.2	5364.1	9.2	9	9.3	489.5	485.7	493.3	85.3	83.4	124.9	353.2	10.2	1.2	1	480.3	6	2.2
Reg_1	N	SUM	8	7	7	7	62	62	62	8.9	8.9	8.9	4	4	4	57.1	50	0	4	0	0	0	4	0	0
Reg_1	R	SUM	136	134.9	134.6	135.3	1577.4	1536.3	1618.4	11.7	11.4	12	122.3	121.2	123.3	90.6	89.9	18.5	101.8	2	0	0	122.3	0	0
Reg_1	SUM	SUM	144	141.9	141.6	142.3	1639.4	1598.3	1680.4	11.6	11.3	11.8	126.3	125.2	127.3	89	87.7	18.5	105.8	2	0	0	126.3	0	0
Reg_2	R	SUM	77	76	73.4	77	917.8	834.7	1000.8	12.1	11	13.2	69	65.9	72.1	90.8	89.6	16	49.8	2	1.2	0	69	0	0
Reg_2	SUM	SUM	77	76	73.4	77	917.8	834.7	1000.8	12.1	11	13.2	69	65.9	72.1	90.8	89.6	16	49.8	2	1.2	0	69	0	0
Reg_3	N	SUM	4	4	4	4	27	27	27	6.8	6.8	6.8	4	4	4	100	100	1	3	0	0	0	4	0	0
Reg_3	R	SUM	329	322	322	322	2344.5	2298.5	2390.6	7.3	7.1	7.4	274.3	272.4	276.1	85.2	83.4	85.4	182.7	6.2	0	0	266	6	2.2
Reg_3	SUM	SUM	333	326	326	326	2371.5	2325.5	2417.6	7.3	7.1	7.4	278.3	276.4	280.1	85.4	83.6	86.4	185.7	6.2	0	0	270	6	2.2
Reg_4	R	SUM	13	13	13	13	116	116	116	8.9	8.9	8.9	8	8	8	61.5	61.5	1	7	0	0	0	8	0	0
Reg_4	SUM	SUM	13	13	13	13	116	116	116	8.9	8.9	8.9	8	8	8	61.5	61.5	1	7	0	0	0	8	0	0
Reg_5	R	SUM	19	17	17	17	216	216	216	12.7	12.7	12.7	8	8	8	47.1	42.1	3	5	0	0	1	7	0	0
Reg_5	SUM	SUM	19	17	17	17	216	216	216	12.7	12.7	12.7	8	8	8	47.1	42.1	3	5	0	0	1	7	0	0
100	N	100-00	1	1	1	1	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
100	N	SUM	1	1	1	1	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
100	R	100-00	14	12.9	12.6	13.3	173.4	153.7	193.1	13.4	11.9	14.9	12.9	12.6	13.3	100	92.1	1.1	11.8	0	0	0	12.9	0	0
100	R	SUM	14	12.9	12.6	13.3	173.4	153.7	193.1	13.4	11.9	14.9	12.9	12.6	13.3	100	92.1	1.1	11.8	0	0	0	12.9	0	0
100	SUM	100-00	15	13.9	13.6	14.3	178.4	158.7	198.1	12.8	11.4	14.2	12.9	12.6	13.3	92.8	86	1.1	11.8	0	0	0	12.9	0	0
100	SUM	SUM	15	13.9	13.6	14.3	178.4	158.7	198.1	12.8	11.4	14.2	12.9	12.6	13.3	92.8	86	1.1	11.8	0	0	0	12.9	0	0
101	N	101-00	1	1	1	1	14	14	14	14	14	14	1	1	1	100	100	0	1	0	0	0	1	0	0
101	N	SUM	1	1	1	1	14	14	14	14	14	14	1	1	1	100	100	0	1	0	0	0	1	0	0
101	R	101-00	14	14	14	14	137.8	126.6	149.1	9.8	9	10.7	11.8	11.3	12.3	84.6	84.3	2.2	9.7	0	0	0	11.8	0	0
101	R	SUM	14	14	14	14	137.8	126.6	149.1	9.8	9	10.7	11.8	11.3	12.3	84.6	84.3	2.2	9.7	0	0	0	11.8	0	0
101	SUM	101-00	15	15	15	15	151.8	140.6	163.1	10.1	9.4	10.9	12.8	12.3	13.3	85.6	85.3	2.2	10.7	0	0	0	12.8	0	0
101	SUM	SUM	15	15	15	15	151.8	140.6	163.1	10.1	9.4	10.9	12.8	12.3	13.3	85.6	85.3	2.2	10.7	0	0	0	12.8	0	0
102	N	102-00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	N	SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
102	R	102-00	11	11	11	11	84.7	78.1	91.3	7.7	7.1	8.3	9.9	9.5	10.3	90	90	1.1	8.8	0	0	0	9.9	0	0
102	R	SUM	11	11	11	11	84.7	78.1	91.3	7.7	7.1	8.3	9.9	9.5	10.3	90	90	1.1	8.8	0	0	0	9.9	0	0
102	SUM	102-00	12	11	11	11	84.7	78.1	91.3	7.7	7.1	8.3	9.9	9.5	10.3	90	82.5	1.1	8.8	0	0	0	9.9	0	0
102	SUM	SUM	12	11	11	11	84.7	78.1	91.3	7.7	7.1	8.3	9.9	9.5	10.3	90	82.5	1.1	8.8	0	0	0	9.9	0	0
103	R	103-00	5	5	5	5	48	48	48	9.6	9.6	9.6	5	5	5	100	100	2	3	0	0	0	5	0	0
103	R	SUM	5	5	5	5	48	48	48	9.6	9.6	9.6	5	5	5	100	100	2	3	0	0	0	5	0	0
103	SUM	103-00	5	5	5	5	48	48	48	9.6	9.6	9.6	5	5	5	100	100	2	3	0	0	0	5	0	0
103	SUM	SUM	5	5	5	5	48	48	48	9.6	9.6	9.6	5	5	5	100	100	2	3	0	0	0	5	0	0
104	R	104-00	5	5	5	5	80	80	80	16	16	16	5	5	5	100	100	0	5	0	0	0	5	0	0
104	R	SUM	5	5	5	5	80	80	80	16	16	16	5	5	5	100	100	0	5	0	0	0	5	0	0
104	SUM	104-00	5	5	5	5	80	80	80	16	16	16	5	5	5	100	100	0	5	0	0	0	5	0	0
104	SUM	SUM	5	5	5	5	80	80	80	16	16	16	5	5	5	100	100	0	5	0	0	0	5	0	0
105	N	105-00	2	2	2	2	4	4	4	2	2	2	2	2	2	100	100	0	2	0	0	0	2	0	0
105	N	SUM	2	2	2	2	4	4	4	2	2	2	2	2	2	100	100	0	2	0	0	0	2	0	0
105	R	105-00	18	18	18	18	194.8	183.1	206.5	10.8	10.2	11.5	18	18	18	100	100	3.2	14.8	0	0	0	18	0	0
105	R	SUM	18	18	18	18	194.8	183.1	206.5	10.8	10.2	11.5	18	18	18	100	100	3.2	14.8	0	0	0	18	0	0
105	SUM	105-00	20	20	20	20	198.8	187.1	210.5	9.9	9.4	10.5	20	20	20	100	100	3.2	16.8	0	0	0	20	0	0
105	SUM	SUM	20	20	20	20	198.8	187.1	210.5	9.9	9.4	10.5	20	20	20	100	100	3.2	16.8	0	0	0	20	0	0
106	N	106-00	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
106	N	SUM	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
106	R	106-00	14	14	14	14	207	207	207	14.8	14.8	14.8	12	12	12	85.7	85.7	0	11	1	0	0	12	0	0
106	R	SUM	14	14	14	14	207	207	207	14.8	14.8	14.8	12	12	12	85.7	85.7	0	11	1	0	0	12	0	0
106	SUM	106-00	15	15	15	15	209	209	209	13.9	13.9	13.9	12	12	12	80	80	0	11	1	0	0	12	0	0
106	SUM	SUM	15	15	15	15	209	209	209	13.9	13.9	13.9	12	12	12	80	80	0	11	1	0	0	12	0	0
110	N	110-00	1	1	1	1	7	7	7	7	7	7	1	1	1	100	100	0	1	0	0	0	1	0	0
110	N	SUM	1	1	1	1	7	7	7	7	7	7	1	1	1	100	100	0	1	0	0	0	1	0	0
110	R	110-00	9	9	9	9	65	65	65	7.2	7.2	7.2	8	8	8	88.9	88.9	1	7	0	0	0	8	0	0
110	R	SUM	9	9	9	9	65	65	65	7.2	7.2	7.2	8	8	8	88.9	88.9	1	7	0	0	0	8	0	0
110	SUM	110-00	10	10	10	10	72	72	72	7.2	7.2	7.2	9	9	9	90	90	1	8	0	0	0	9	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
110	SUM	SUM	10	10	10	10	72	72	72	7.2	7.2	7.2	9	9	9	90	90	1	8	0	0	0	9	0	0
111	N	111-00	1	1	1	1	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
111	N	SUM	1	1	1	1	30	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
111	R	111-00	9	9	9	9	31	31	31	3.4	3.4	3.4	9	9	9	100	100	3	6	0	0	0	9	0	0
111	R	SUM	9	9	9	9	31	31	31	3.4	3.4	3.4	9	9	9	100	100	3	6	0	0	0	9	0	0
111	SUM	111-00	10	10	10	10	61	61	61	6.1	6.1	6.1	9	9	9	90	90	3	6	0	0	0	9	0	0
111	SUM	SUM	10	10	10	10	61	61	61	6.1	6.1	6.1	9	9	9	90	90	3	6	0	0	0	9	0	0
112	R	112-00	5	5	5	5	49	49	49	9.8	9.8	9.8	5	5	5	100	100	2	3	0	0	0	5	0	0
112	R	SUM	5	5	5	5	49	49	49	9.8	9.8	9.8	5	5	5	100	100	2	3	0	0	0	5	0	0
112	SUM	112-00	5	5	5	5	49	49	49	9.8	9.8	9.8	5	5	5	100	100	2	3	0	0	0	5	0	0
112	SUM	SUM	5	5	5	5	49	49	49	9.8	9.8	9.8	5	5	5	100	100	2	3	0	0	0	5	0	0
121	R	121-00	6	6	6	6	92	92	92	15.3	15.3	15.3	6	6	6	100	100	1	5	0	0	0	6	0	0
121	R	SUM	6	6	6	6	92	92	92	15.3	15.3	15.3	6	6	6	100	100	1	5	0	0	0	6	0	0
121	SUM	121-00	6	6	6	6	92	92	92	15.3	15.3	15.3	6	6	6	100	100	1	5	0	0	0	6	0	0
121	SUM	SUM	6	6	6	6	92	92	92	15.3	15.3	15.3	6	6	6	100	100	1	5	0	0	0	6	0	0
122	R	122-00	6	6	6	6	78	78	78	13	13	13	6	6	6	100	100	0	6	0	0	0	6	0	0
122	R	SUM	6	6	6	6	78	78	78	13	13	13	6	6	6	100	100	0	6	0	0	0	6	0	0
122	SUM	122-00	6	6	6	6	78	78	78	13	13	13	6	6	6	100	100	0	6	0	0	0	6	0	0
122	SUM	SUM	6	6	6	6	78	78	78	13	13	13	6	6	6	100	100	0	6	0	0	0	6	0	0
125	R	125-00	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
125	R	SUM	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
125	SUM	125-00	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
125	SUM	SUM	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
130	R	130-00	5	5	5	5	89	89	89	17.8	17.8	17.8	2	2	2	40	40	0	2	0	0	0	2	0	0
130	R	SUM	5	5	5	5	89	89	89	17.8	17.8	17.8	2	2	2	40	40	0	2	0	0	0	2	0	0
130	SUM	130-00	5	5	5	5	89	89	89	17.8	17.8	17.8	2	2	2	40	40	0	2	0	0	0	2	0	0
130	SUM	SUM	5	5	5	5	89	89	89	17.8	17.8	17.8	2	2	2	40	40	0	2	0	0	0	2	0	0
140	R	140-00	5	5	5	5	71	71	71	14.2	14.2	14.2	5	5	5	100	100	2	2	1	0	0	5	0	0
140	R	SUM	5	5	5	5	71	71	71	14.2	14.2	14.2	5	5	5	100	100	2	2	1	0	0	5	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
140	SUM	140-00	5	5	5	5	71	71	71	14.2	14.2	14.2	5	5	5	100	100	2	2	1	0	0	5	0	0
140	SUM	SUM	5	5	5	5	71	71	71	14.2	14.2	14.2	5	5	5	100	100	2	2	1	0	0	5	0	0
141	R	141-00	6	6	6	6	153.6	122.1	185.1	25.6	20.3	30.9	3.6	3	4.4	60	60	0	3.6	0	0	0	3.6	0	0
141	R	SUM	6	6	6	6	153.6	122.1	185.1	25.6	20.3	30.9	3.6	3	4.4	60	60	0	3.6	0	0	0	3.6	0	0
141	SUM	141-00	6	6	6	6	153.6	122.1	185.1	25.6	20.3	30.9	3.6	3	4.4	60	60	0	3.6	0	0	0	3.6	0	0
141	SUM	SUM	6	6	6	6	153.6	122.1	185.1	25.6	20.3	30.9	3.6	3	4.4	60	60	0	3.6	0	0	0	3.6	0	0
150	R	150-00	2	2	2	2	6	6	8	3	3	3	1	1	1	50	50	0	1	0	0	0	1	0	0
150	R	SUM	2	2	2	2	6	6	6	3	3	3	1	1	1	50	50	0	1	0	0	0	1	0	0
150	SUM	150-00	2	2	2	2	6	6	6	3	3	3	1	1	1	50	50	0	1	0	0	0	1	0	0
150	SUM	SUM	2	2	2	2	6	6	6	3	3	3	1	1	1	50	50	0	1	0	0	0	1	0	0
210	R	210-10	4	4	4	4	34	34	34	8.5	8.5	8.5	4	4	4	100	100	2	0	2	0	0	4	0	0
210	R	210-20	4	4	4	4	92	12.3	171.7	23	3.1	42.9	2	1	3.8	50	50	0	2	0	0	0	2	0	0
210	R	SUM	8	8	8	8	126	46.3	205.7	15.8	5.8	25.7	6	5	7.8	75	75	2	2	2	0	0	6	0	0
210	SUM	210-10	4	4	4	4	34	34	34	8.5	8.5	8.5	4	4	4	100	100	2	0	2	0	0	4	0	0
210	SUM	210-20	4	4	4	4	92	12.3	171.7	23	3.1	42.9	2	1	3.8	50	50	0	2	0	0	0	2	0	0
210	SUM	SUM	8	8	8	8	126	46.3	205.7	15.8	5.8	25.7	6	5	7.8	75	75	2	2	2	0	0	6	0	0
211	R	211-10	3	3	3	3	13	13	13	4.3	4.3	4.3	3	3	3	100	100	3	0	0	0	0	3	0	0
211	R	211-20	3	3	3	3	9	9	9	3	3	3	3	3	3	100	100	0	3	0	0	0	3	0	0
211	R	SUM	6	6	6	6	22	22	22	3.7	3.7	3.7	6	6	6	100	100	3	3	0	0	0	6	0	0
211	SUM	211-10	3	3	3	3	13	13	13	4.3	4.3	4.3	3	3	3	100	100	3	0	0	0	0	3	0	0
211	SUM	211-20	3	3	3	3	9	9	9	3	3	3	3	3	3	100	100	0	3	0	0	0	3	0	0
211	SUM	SUM	6	6	6	6	22	22	22	3.7	3.7	3.7	6	6	6	100	100	3	3	0	0	0	6	0	0
212	R	212-10	5	5	5	5	23	23	23	4.6	4.6	4.6	4	4	4	80	80	4	0	0	0	0	4	0	0
212	R	212-20	7	7	7	7	130	130	130	18.6	18.6	18.6	5	5	5	71.4	71.4	0	5	0	0	0	5	0	0
212	R	SUM	12	12	12	12	153	153	153	12.8	12.8	12.8	9	9	9	75	75	4	5	0	0	0	9	0	0
212	SUM	212-10	5	5	5	5	23	23	23	4.6	4.6	4.6	4	4	4	80	80	4	0	0	0	0	4	0	0
212	SUM	212-20	7	7	7	7	130	130	130	18.6	18.6	18.6	5	5	5	71.4	71.4	0	5	0	0	0	5	0	0
212	SUM	SUM	12	12	12	12	153	153	153	12.8	12.8	12.8	9	9	9	75	75	4	5	0	0	0	9	0	0
214	R	214-00	2	2	2	2	52	52	52	26	26	26	2	2	2	100	100	0	2	0	0	0	2	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
214	R	214-10	2	2	2	2	11	11	11	5.5	5.5	5.5	2	2	2	100	100	2	0	0	0	0	2	0	0
214	R	SUM	4	4	4	4	63	63	63	15.8	15.8	15.8	4	4	4	100	100	2	2	0	0	0	4	0	0
214	SUM	214-00	2	2	2	2	52	52	52	26	26	26	2	2	2	100	100	0	2	0	0	0	2	0	0
214	SUM	214-10	2	2	2	2	11	11	11	5.5	5.5	5.5	2	2	2	100	100	2	0	0	0	0	2	0	0
214	SUM	SUM	4	4	4	4	63	63	63	15.8	15.8	15.8	4	4	4	100	100	2	2	0	0	0	4	0	0
215	R	215-10	2	2	1	2	20	1.9	38.1	10	10	10	2	1	2	100	100	2	0	0	0	0	2	0	0
215	R	215-20	3	3	3	3	32	32	32	10.7	10.7	10.7	3	3	3	100	100	0	3	0	0	0	3	0	0
215	R	SUM	5	5	4	5	52	33.9	70.1	10.4	10.3	10.5	5	4	5	100	100	2	3	0	0	0	5	0	0
215	SUM	215-10	2	2	1	2	20	1.9	38.1	10	10	10	2	1	2	100	100	2	0	0	0	0	2	0	0
215	SUM	215-20	3	3	3	3	32	32	32	10.7	10.7	10.7	3	3	3	100	100	0	3	0	0	0	3	0	0
215	SUM	SUM	5	5	4	5	52	33.9	70.1	10.4	10.3	10.5	5	4	5	100	100	2	3	0	0	0	5	0	0
220	R	220-20	3	3	3	3	51	51	51	17	17	17	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
220	R	SUM	3	3	3	3	51	51	51	17	17	17	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
220	SUM	220-20	3	3	3	3	51	51	51	17	17	17	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
220	SUM	SUM	3	3	3	3	51	51	51	17	17	17	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
230	R	230-20	4	4	4	4	70	70	70	17.5	17.5	17.5	4	4	4	100	100	0	4	0	0	0	4	0	0
230	R	SUM	4	4	4	4	70	70	70	17.5	17.5	17.5	4	4	4	100	100	0	4	0	0	0	4	0	0
230	SUM	230-20	4	4	4	4	70	70	70	17.5	17.5	17.5	4	4	4	100	100	0	4	0	0	0	4	0	0
230	SUM	SUM	4	4	4	4	70	70	70	17.5	17.5	17.5	4	4	4	100	100	0	4	0	0	0	4	0	0
240	R	240-00	5	5	5	5	78	78	78	15.6	15.6	15.6	5	5	5	100	100	0	5	0	0	0	5	0	0
240	R	SUM	5	5	5	5	78	78	78	15.6	15.6	15.6	5	5	5	100	100	0	5	0	0	0	5	0	0
240	SUM	240-00	5	5	5	5	78	78	78	15.6	15.6	15.6	5	5	5	100	100	0	5	0	0	0	5	0	0
240	SUM	SUM	5	5	5	5	78	78	78	15.6	15.6	15.6	5	5	5	100	100	0	5	0	0	0	5	0	0
250	R	250-20	5	5	5	5	78.8	65	92.5	15.8	13	18.5	5	5	5	100	100	0	3.8	0	1.2	0	5	0	0
250	R	SUM	5	5	5	5	78.8	65	92.5	15.8	13	18.5	5	5	5	100	100	0	3.8	0	1.2	0	5	0	0
250	SUM	250-20	5	5	5	5	78.8	65	92.5	15.8	13	18.5	5	5	5	100	100	0	3.8	0	1.2	0	5	0	0
250	SUM	SUM	5	5	5	5	78.8	65	92.5	15.8	13	18.5	5	5	5	100	100	0	3.8	0	1.2	0	5	0	0
261	R	261-20	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
261	R	SUM	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
261	SUM	261-20	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
261	SUM	SUM	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
270	R	270-00	10	10	10	10	112	112	112	11.2	11.2	11.2	10	10	10	100	100	3	7	0	0	0	10	0	0
270	R	SUM	10	10	10	10	112	112	112	11.2	11.2	11.2	10	10	10	100	100	3	7	0	0	0	10	0	0
270	SUM	270-00	10	10	10	10	112	112	112	11.2	11.2	11.2	10	10	10	100	100	3	7	0	0	0	10	0	0
270	SUM	SUM	10	10	10	10	112	112	112	11.2	11.2	11.2	10	10	10	100	100	3	7	0	0	0	10	0	0
280	R	280-20	2	2	1	2	4	0.4	7.6	2	2	2	2	1	2	100	100	0	2	0	0	0	2	0	0
280	R	SUM	2	2	1	2	4	0.4	7.6	2	2	2	2	1	2	100	100	0	2	0	0	0	2	0	0
280	SUM	280-20	2	2	1	2	4	0.4	7.6	2	2	2	2	1	2	100	100	0	2	0	0	0	2	0	0
280	SUM	SUM	2	2	1	2	4	0.4	7.6	2	2	2	2	1	2	100	100	0	2	0	0	0	2	0	0
285	R	285-20	2	2	2	2	20	20	20	10	10	10	1	1	1	50	50	0	1	0	0	0	1	0	0
285	R	SUM	2	2	2	2	20	20	20	10	10	10	1	1	1	50	50	0	1	0	0	0	1	0	0
285	SUM	285-20	2	2	2	2	20	20	20	10	10	10	1	1	1	50	50	0	1	0	0	0	1	0	0
285	SUM	SUM	2	2	2	2	20	20	20	10	10	10	1	1	1	50	50	0	1	0	0	0	1	0	0
291	R	291-00	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	0	1	0	0
291	R	SUM	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	0	1	0	0
291	SUM	291-00	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	0	1	0	0
291	SUM	SUM	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	0	1	0	0
292	R	292-20	6	5	5	5	44	44	44	8.8	8.8	8.8	5	5	5	100	83.3	0	5	0	0	0	5	0	0
292	R	SUM	6	5	5	5	44	44	44	8.8	8.8	8.8	5	5	5	100	83.3	0	5	0	0	0	5	0	0
292	SUM	292-20	6	5	5	5	44	44	44	8.8	8.8	8.8	5	5	5	100	83.3	0	5	0	0	0	5	0	0
292	SUM	SUM	6	5	5	5	44	44	44	8.8	8.8	8.8	5	5	5	100	83.3	0	5	0	0	0	5	0	0
293	R	293-20	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
293	R	SUM	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
293	SUM	293-20	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
293	SUM	SUM	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	0	2	0	0	0	2	0	0
300	R	300-10	7	7	7	7	21	21	21	3	3	3	6	6	6	85.7	85.7	5	0	1	0	0	6	0	0
300	R	300-20	5	5	5	5	42	42	42	8.4	8.4	8.4	4	4	4	80	80	0	4	0	0	0	4	0	0
300	R	SUM	12	12	12	12	63	63	63	5.2	5.2	5.2	10	10	10	83.3	83.3	5	4	1	0	0	10	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
300	SUM	300-10	7	7	7	7	21	21	21	3	3	3	6	6	6	85.7	85.7	5	0	1	0	0	6	0	0
300	SUM	300-20	5	5	5	5	42	42	42	8.4	8.4	8.4	4	4	4	80	80	0	4	0	0	0	4	0	0
300	SUM	SUM	12	12	12	12	63	63	63	5.2	5.2	5.2	10	10	10	83.3	83.3	5	4	1	0	0	10	0	0
301	R	301-10	5	5	5	5	22	22	22	4.4	4.4	4.4	5	5	5	100	100	5	0	0	0	0	5	0	0
301	R	301-20	8	8	8	8	45	45	45	5.6	5.6	5.6	8	8	8	100	100	0	8	0	0	0	8	0	0
301	R	SUM	13	13	13	13	67	67	67	5.2	5.2	5.2	13	13	13	100	100	5	8	0	0	0	13	0	0
301	SUM	301-10	5	5	5	5	22	22	22	4.4	4.4	4.4	5	5	5	100	100	5	0	0	0	0	5	0	0
301	SUM	301-20	8	8	8	8	45	45	45	5.6	5.6	5.6	8	8	8	100	100	0	8	0	0	0	8	0	0
301	SUM	SUM	13	13	13	13	67	67	67	5.2	5.2	5.2	13	13	13	100	100	5	8	0	0	0	13	0	0
302	R	302-10	5	5	5	5	44	44	44	8.8	8.8	8.8	5	5	5	100	100	5	0	0	0	0	5	0	0
302	R	302-20	5	5	5	5	38.8	26.5	51	7.8	5.3	10.2	3.8	3	4.5	75	76	0	3.8	0	0	0	3.8	0	0
302	R	SUM	10	10	10	10	82.8	70.5	95	8.3	7.1	9.5	8.8	8	9.5	87.5	88	5	3.8	0	0	0	8.8	0	0
302	SUM	302-10	5	5	5	5	44	44	44	8.8	8.8	8.8	5	5	5	100	100	5	0	0	0	0	5	0	0
302	SUM	302-20	5	5	5	5	38.8	26.5	51	7.8	5.3	10.2	3.8	3	4.5	75	76	0	3.8	0	0	0	3.8	0	0
302	SUM	SUM	10	10	10	10	82.8	70.5	95	8.3	7.1	9.5	8.8	8	9.5	87.5	88	5	3.8	0	0	0	8.8	0	0
303	R	303-00	4	4	4	4	13	13	13	3.2	3.2	3.2	3	3	3	75	75	0	3	0	0	0	3	0	0
303	R	303-10	2	2	2	2	4	4	4	2	2	2	2	2	2	100	100	2	0	0	0	0	2	0	0
303	R	SUM	6	6	6	6	17	17	17	2.8	2.8	2.8	5	5	5	83.3	83.3	2	3	0	0	0	5	0	0
303	SUM	303-00	4	4	4	4	13	13	13	3.2	3.2	3.2	3	3	3	75	75	0	3	0	0	0	3	0	0
303	SUM	303-10	2	2	2	2	4	4	4	2	2	2	2	2	2	100	100	2	0	0	0	0	2	0	0
303	SUM	SUM	6	6	6	6	17	17	17	2.8	2.8	2.8	5	5	5	83.3	83.3	2	3	0	0	0	5	0	0
304	R	304-20	4	4	4	4	22	22	22	5.5	5.5	5.5	3	3	3	75	75	0	3	0	0	0	3	0	0
304	R	SUM	4	4	4	4	22	22	22	5.5	5.5	5.5	3	3	3	75	75	0	3	0	0	0	3	0	0
304	SUM	304-20	4	4	4	4	22	22	22	5.5	5.5	5.5	3	3	3	75	75	0	3	0	0	0	3	0	0
304	SUM	SUM	4	4	4	4	22	22	22	5.5	5.5	5.5	3	3	3	75	75	0	3	0	0	0	3	0	0
306	R	306-20	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	0	3	0	0	0	3	0	0
306	R	SUM	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	0	3	0	0	0	3	0	0
306	SUM	306-20	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	0	3	0	0	0	3	0	0
306	SUM	SUM	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	0	3	0	0	0	3	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
307	R	307-20	1	1	1	1	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
307	R	SUM	1	1	1	1	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
307	SUM	307-20	1	1	1	1	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
307	SUM	SUM	1	1	1	1	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0
308	R	308-20	4	4	4	4	31	31	31	7.8	7.8	7.8	3	3	3	75	75	0	3	0	0	0	3	0	0
308	R	SUM	4	4	4	4	31	31	31	7.8	7.8	7.8	3	3	3	75	75	0	3	0	0	0	3	0	0
308	SUM	308-20	4	4	4	4	31	31	31	7.8	7.8	7.8	3	3	3	75	75	0	3	0	0	0	3	0	0
308	SUM	SUM	4	4	4	4	31	31	31	7.8	7.8	7.8	3	3	3	75	75	0	3	0	0	0	3	0	0
309	R	309-20	7	7	7	7	41	41	41	5.9	5.9	5.9	7	7	7	100	100	0	7	0	0	0	7	0	0
309	R	SUM	7	7	7	7	41	41	41	5.9	5.9	5.9	7	7	7	100	100	0	7	0	0	0	7	0	0
309	SUM	309-20	7	7	7	7	41	41	41	5.9	5.9	5.9	7	7	7	100	100	0	7	0	0	0	7	0	0
309	SUM	SUM	7	7	7	7	41	41	41	5.9	5.9	5.9	7	7	7	100	100	0	7	0	0	0	7	0	0
310	R	310-20	1	1	1	1	17	17	17	17	17	17	1	1	1	100	100	0	1	0	0	0	1	0	0
310	R	SUM	1	1	1	1	17	17	17	17	17	17	1	1	1	100	100	0	1	0	0	0	1	0	0
310	SUM	310-20	1	1	1	1	17	17	17	17	17	17	1	1	1	100	100	0	1	0	0	0	1	0	0
310	SUM	SUM	1	1	1	1	17	17	17	17	17	17	1	1	1	100	100	0	1	0	0	0	1	0	0
311	N	311-20	1	1	1	1	20	20	20	20	20	20	1	1	1	100	100	0	1	0	0	0	1	0	0
311	N	SUM	1	1	1	1	20	20	20	20	20	20	1	1	1	100	100	0	1	0	0	0	1	0	0
311	R	311-20	14	14	14	14	143	143	143	10.2	10.2	10.2	11	11	11	78.6	78.6	0	11	0	0	0	11	0	0
311	R	SUM	14	14	14	14	143	143	143	10.2	10.2	10.2	11	11	11	78.6	78.6	0	11	0	0	0	11	0	0
311	SUM	311-20	15	15	15	15	163	163	163	10.9	10.9	10.9	12	12	12	80	80	0	12	0	0	0	12	0	0
311	SUM	SUM	15	15	15	15	163	163	163	10.9	10.9	10.9	12	12	12	80	80	0	12	0	0	0	12	0	0
312	R	312-20	5	5	5	5	43	43	43	8.6	8.6	8.6	4	4	4	80	80	0	4	0	0	0	4	0	0
312	R	SUM	5	5	5	5	43	43	43	8.6	8.6	8.6	4	4	4	80	80	0	4	0	0	0	4	0	0
312	SUM	312-20	5	5	5	5	43	43	43	8.6	8.6	8.6	4	4	4	80	80	0	4	0	0	0	4	0	0
312	SUM	SUM	5	5	5	5	43	43	43	8.6	8.6	8.6	4	4	4	80	80	0	4	0	0	0	4	0	0
313	R	313-20	5	4	4	4	71	71	71	17.8	17.8	17.8	1	1	1	25	20	0	1	0	0	0	1	0	0
313	R	SUM	5	4	4	4	71	71	71	17.8	17.8	17.8	1	1	1	25	20	0	1	0	0	0	1	0	0
313	SUM	313-20	5	4	4	4	71	71	71	17.8	17.8	17.8	1	1	1	25	20	0	1	0	0	0	1	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
313	SUM	SUM	5	4	4	4	71	71	71	17.8	17.8	17.8	1	1	1	25	20	0	1	0	0	0	1	0	0
314	R	314-20	6	6	6	6	50.4	38.9	61.9	8.4	6.5	10.3	4.8	4.2	5.4	80	80	0	4.8	0	0	0	4.8	0	0
314	R	SUM	6	6	6	6	50.4	38.9	61.9	8.4	6.5	10.3	4.8	4.2	5.4	80	80	0	4.8	0	0	0	4.8	0	0
314	SUM	314-20	6	6	6	6	50.4	38.9	61.9	8.4	6.5	10.3	4.8	4.2	5.4	80	80	0	4.8	0	0	0	4.8	0	0
314	SUM	SUM	6	6	6	6	50.4	38.9	61.9	8.4	6.5	10.3	4.8	4.2	5.4	80	80	0	4.8	0	0	0	4.8	0	0
315	R	315-10	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	0	1	0	0
315	R	315-20	6	6	6	6	57.6	41.4	73.8	9.6	6.9	12.3	4.8	4.2	5.4	80	80	0	4.8	0	0	0	4.8	0	0
315	R	SUM	7	7	7	7	59.6	43.4	75.8	8.5	6.2	10.8	5.8	5.2	6.4	82.9	82.9	1	4.8	0	0	0	5.8	0	0
315	SUM	315-10	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	0	1	0	0
315	SUM	315-20	6	6	6	6	57.6	41.4	73.8	9.6	6.9	12.3	4.8	4.2	5.4	80	80	0	4.8	0	0	0	4.8	0	0
315	SUM	SUM	7	7	7	7	59.6	43.4	75.8	8.5	6.2	10.8	5.8	5.2	6.4	82.9	82.9	1	4.8	0	0	0	5.8	0	0
316	R	316-20	3	2	2	2	14	14	14	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0
316	R	SUM	3	2	2	2	14	14	14	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0
316	SUM	316-20	3	2	2	2	14	14	14	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0
316	SUM	SUM	3	2	2	2	14	14	14	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0
317	R	317-20	2	2	2	2	16	16	16	8	8	8	1	1	1	50	50	0	1	0	0	0	1	0	0
317	R	SUM	2	2	2	2	16	16	16	8	8	8	1	1	1	50	50	0	1	0	0	0	1	0	0
317	SUM	317-20	2	2	2	2	16	16	16	8	8	8	1	1	1	50	50	0	1	0	0	0	1	0	0
317	SUM	SUM	2	2	2	2	16	16	16	8	8	8	1	1	1	50	50	0	1	0	0	0	1	0	0
318	R	318-20	3	3	3	3	15	15	15	5	5	5	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
318	R	SUM	3	3	3	3	15	15	15	5	5	5	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
318	SUM	318-20	3	3	3	3	15	15	15	5	5	5	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
318	SUM	SUM	3	3	3	3	15	15	15	5	5	5	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
319	R	319-10	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
319	R	319-20	4	4	4	4	66	66	66	16.5	16.5	16.5	3	3	3	75	75	0	3	0	0	0	3	0	0
319	R	SUM	5	5	5	5	68	68	68	13.6	13.6	13.6	3	3	3	60	60	0	3	0	0	0	3	0	0
319	SUM	319-10	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
319	SUM	319-20	4	4	4	4	66	66	66	16.5	16.5	16.5	3	3	3	75	75	0	3	0	0	0	3	0	0
319	SUM	SUM	5	5	5	5	68	68	68	13.6	13.6	13.6	3	3	3	60	60	0	3	0	0	0	3	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
320	R	320-10	3	3	3	3	10	10	10	3.3	3.3	3.3	3	3	3	100	100	3	0	0	0	0	3	0	0
320	R	320-20	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	0	3	0	0	0	3	0	0
320	R	SUM	6	6	6	6	17	17	17	2.8	2.8	2.8	6	6	6	100	100	3	3	0	0	0	6	0	0
320	SUM	320-10	3	3	3	3	10	10	10	3.3	3.3	3.3	3	3	3	100	100	3	0	0	0	0	3	0	0
320	SUM	320-20	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	0	3	0	0	0	3	0	0
320	SUM	SUM	6	6	6	6	17	17	17	2.8	2.8	2.8	6	6	6	100	100	3	3	0	0	0	6	0	0
321	R	321-10	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	0	0	1	0
321	R	321-20	3	3	3	3	69	69	69	23	23	23	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
321	R	SUM	4	4	4	4	70	70	70	17.5	17.5	17.5	3	3	3	75	75	1	2	0	0	0	2	1	0
321	SUM	321-10	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	0	0	1	0
321	SUM	321-20	3	3	3	3	69	69	69	23	23	23	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
321	SUM	SUM	4	4	4	4	70	70	70	17.5	17.5	17.5	3	3	3	75	75	1	2	0	0	0	2	1	0
322	R	322-20	5	5	5	5	35	35	35	7	7	7	3	3	3	60	60	0	3	0	0	0	3	0	0
322	R	SUM	5	5	5	5	35	35	35	7	7	7	3	3	3	60	60	0	3	0	0	0	3	0	0
322	SUM	322-20	5	5	5	5	35	35	35	7	7	7	3	3	3	60	60	0	3	0	0	0	3	0	0
322	SUM	SUM	5	5	5	5	35	35	35	7	7	7	3	3	3	60	60	0	3	0	0	0	3	0	0
323	N	323-20	1	1	1	1	4	4	4	4	4	4	1	1	1	100	100	0	1	0	0	0	1	0	0
323	N	SUM	1	1	1	1	4	4	4	4	4	4	1	1	1	100	100	0	1	0	0	0	1	0	0
323	R	323-00	5	5	5	5	26	26	26	5.2	5.2	5.2	5	5	5	100	100	0	5	0	0	0	3	2	0
323	R	323-10	12	12	12	12	54	54	54	4.5	4.5	4.5	11	11	11	91.7	91.7	9	0	2	0	0	11	0	0
323	R	323-20	9	9	9	9	47	47	47	5.2	5.2	5.2	9	9	9	100	100	0	9	0	0	0	9	0	0
323	R	SUM	26	26	26	26	127	127	127	4.9	4.9	4.9	25	25	25	96.2	96.2	9	14	2	0	0	23	2	0
323	SUM	323-00	5	5	5	5	26	26	26	5.2	5.2	5.2	5	5	5	100	100	0	5	0	0	0	3	2	0
323	SUM	323-10	12	12	12	12	54	54	54	4.5	4.5	4.5	11	11	11	91.7	91.7	9	0	2	0	0	11	0	0
323	SUM	323-20	10	10	10	10	51	51	51	5.1	5.1	5.1	10	10	10	100	100	0	10	0	0	0	10	0	0
323	SUM	SUM	27	27	27	27	131	131	131	4.9	4.9	4.9	26	26	26	96.3	96.3	9	15	2	0	0	24	2	0
324	R	324-00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324	R	324-10	5	4	4	4	17	17	17	4.2	4.2	4.2	4	4	4	100	80	4	0	0	0	0	4	0	0
324	R	324-20	8	8	8	8	103	103	103	12.9	12.9	12.9	6	6	6	75	75	0	6	0	0	0	6	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
324	R	SUM	14	12	12	12	120	120	120	10	10	10	10	10	10	83.3	71.4	4	6	0	0	0	10	0	0
324	SUM	324-00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324	SUM	324-10	5	4	4	4	17	17	17	4.2	4.2	4.2	4	4	4	100	80	4	0	0	0	0	4	0	0
324	SUM	324-20	8	8	8	8	103	103	103	12.9	12.9	12.9	6	6	6	75	75	0	6	0	0	0	6	0	0
324	SUM	SUM	14	12	12	12	120	120	120	10	10	10	10	10	10	83.3	71.4	4	6	0	0	0	10	0	0
325	R	325-10	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	2	0	0	0	0	2	0	0
325	R	325-20	4	4	4	4	32	32	32	8	8	8	4	4	4	100	100	0	3	1	0	0	4	0	0
325	R	SUM	6	6	6	6	49	49	49	8.2	8.2	8.2	6	6	6	100	100	2	3	1	0	0	6	0	0
325	SUM	325-10	2	2	2	2	17	17	17	8.5	8.5	8.5	2	2	2	100	100	2	0	0	0	0	2	0	0
325	SUM	325-20	4	4	4	4	32	32	32	8	8	8	4	4	4	100	100	0	3	1	0	0	4	0	0
325	SUM	SUM	6	6	6	6	49	49	49	8.2	8.2	8.2	6	6	6	100	100	2	3	1	0	0	6	0	0
326	R	326-00	5	5	5	5	33	33	33	6.6	6.6	6.6	5	5	5	100	100	1	4	0	0	0	3	2	0
326	R	326-10	12	12	12	12	45.3	40.2	50.4	3.8	3.4	4.2	9.3	8.2	10.5	77.8	77.5	8	1.3	0	0	0	9.3	0	0
326	R	326-20	5	5	5	5	28	28	28	5.6	5.6	5.6	4	4	4	80	80	0	4	0	0	0	4	0	0
326	R	SUM	22	22	22	22	106.3	101.2	111.4	4.8	4.6	5.1	18.3	17.2	19.5	83.3	83.2	9	9.3	0	0	0	16.3	2	0
326	SUM	326-00	5	5	5	5	33	33	33	6.6	6.6	6.6	5	5	5	100	100	1	4	0	0	0	3	2	0
326	SUM	326-10	12	12	12	12	45.3	40.2	50.4	3.8	3.4	4.2	9.3	8.2	10.5	77.8	77.5	8	1.3	0	0	0	9.3	0	0
326	SUM	326-20	5	5	5	5	28	28	28	5.6	5.6	5.6	4	4	4	80	80	0	4	0	0	0	4	0	0
326	SUM	SUM	22	22	22	22	106.3	101.2	111.4	4.8	4.6	5.1	18.3	17.2	19.5	83.3	83.2	9	9.3	0	0	0	16.3	2	0
327	R	327-00	3	3	3	3	4	4	4	1.3	1.3	1.3	3	3	3	100	100	0	3	0	0	0	3	0	0
327	R	327-10	7	7	7	7	23.3	20.6	26.1	3.3	2.9	3.7	5.8	5.3	6.4	83.3	82.9	4.7	0	1.2	0	0	5.8	0	0
327	R	327-20	8	8	8	8	83	83	83	10.4	10.4	10.4	8	8	8	100	100	0	8	0	0	0	8	0	0
327	R	SUM	18	18	18	18	110.3	107.6	113.1	6.1	6	6.3	16.8	16.3	17.4	93.5	93.3	4.7	11	1.2	0	0	16.8	0	0
327	SUM	327-00	3	3	3	3	4	4	4	1.3	1.3	1.3	3	3	3	100	100	0	3	0	0	0	3	0	0
327	SUM	327-10	7	7	7	7	23.3	20.6	26.1	3.3	2.9	3.7	5.8	5.3	6.4	83.3	82.9	4.7	0	1.2	0	0	5.8	0	0
327	SUM	327-20	8	8	8	8	83	83	83	10.4	10.4	10.4	8	8	8	100	100	0	8	0	0	0	8	0	0
327	SUM	SUM	18	18	18	18	110.3	107.6	113.1	6.1	6	6.3	16.8	16.3	17.4	93.5	93.3	4.7	11	1.2	0	0	16.8	0	0
328	R	328-20	2	2	2	2	21	21	21	10.5	10.5	10.5	1	1	1	50	50	0	1	0	0	0	1	0	0
328	R	SUM	2	2	2	2	21	21	21	10.5	10.5	10.5	1	1	1	50	50	0	1	0	0	0	1	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
328	SUM	328-20	2	2	2	2	21	21	21	10.5	10.5	10.5	1	1	1	50	50	0	1	0	0	0	1	0	0
328	SUM	SUM	2	2	2	2	21	21	21	10.5	10.5	10.5	1	1	1	50	50	0	1	0	0	0	1	0	0
329	R	329-20	5	5	5	5	26.2	16.9	35.6	5.2	3.4	7.1	3.8	3	4.5	75	76	0	3.8	0	0	0	3.8	0	0
329	R	SUM	5	5	5	5	26.2	16.9	35.6	5.2	3.4	7.1	3.8	3	4.5	75	76	0	3.8	0	0	0	3.8	0	0
329	SUM	329-20	5	5	5	5	26.2	16.9	35.6	5.2	3.4	7.1	3.8	3	4.5	75	76	0	3.8	0	0	0	3.8	0	0
329	SUM	SUM	5	5	5	5	26.2	16.9	35.6	5.2	3.4	7.1	3.8	3	4.5	75	76	0	3.8	0	0	0	3.8	0	0
330	R	330-10	5	5	5	5	36	36	36	7.2	7.2	7.2	3	3	3	60	60	3	0	0	0	0	3	0	0
330	R	330-20	5	5	5	5	20	20	20	4	4	4	5	5	5	100	100	0	5	0	0	0	5	0	0
330	R	SUM	10	10	10	10	56	56	56	5.6	5.6	5.6	8	8	8	80	80	3	5	0	0	0	8	0	0
330	SUM	330-10	5	5	5	5	36	36	36	7.2	7.2	7.2	3	3	3	60	60	3	0	0	0	0	3	0	0
330	SUM	330-20	5	5	5	5	20	20	20	4	4	4	5	5	5	100	100	0	5	0	0	0	5	0	0
330	SUM	SUM	10	10	10	10	56	56	56	5.6	5.6	5.6	8	8	8	80	80	3	5	0	0	0	8	0	0
331	N	331-10	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	0	1	0	0
331	N	331-20	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	0	1	0	0
331	N	SUM	2	2	2	2	3	3	3	1.5	1.5	1.5	2	2	2	100	100	1	1	0	0	0	2	0	0
331	R	331-10	9	9	9	9	34.9	32.1	37.6	3.9	3.6	4.2	9	9	9	100	100	9	0	0	0	0	9	0	0
331	R	331-20	9	9	9	9	66	66	66	7.3	7.3	7.3	9	9	9	100	100	0	9	0	0	0	9	0	0
331	R	SUM	18	18	18	18	100.9	98.1	103.6	5.6	5.5	5.8	18	18	18	100	100	9	9	0	0	0	18	0	0
331	SUM	331-10	10	10	10	10	36.9	34.1	39.6	3.7	3.4	4	10	10	10	100	100	10	0	0	0	0	10	0	0
331	SUM	331-20	10	10	10	10	67	67	67	6.7	6.7	6.7	10	10	10	100	100	0	10	0	0	0	10	0	0
331	SUM	SUM	20	20	20	20	103.9	101.1	106.6	5.2	5.1	5.3	20	20	20	100	100	10	10	0	0	0	20	0	0
332	R	332-10	5	5	5	5	21.2	15.5	27	4.2	3.1	5.4	5	5	5	100	100	3.8	1.2	0	0	0	5	0	0
332	R	332-20	5	5	5	5	18	18	18	3.6	3.6	3.6	5	5	5	100	100	0	5	0	0	0	5	0	0
332	R	SUM	10	10	10	10	39.2	33.5	45	3.9	3.3	4.5	10	10	10	100	100	3.8	6.2	0	0	0	10	0	0
332	SUM	332-10	5	5	5	5	21.2	15.5	27	4.2	3.1	5.4	5	5	5	100	100	3.8	1.2	0	0	0	5	0	0
332	SUM	332-20	5	5	5	5	18	18	18	3.6	3.6	3.6	5	5	5	100	100	0	5	0	0	0	5	0	0
332	SUM	SUM	10	10	10	10	39.2	33.5	45	3.9	3.3	4.5	10	10	10	100	100	3.8	6.2	0	0	0	10	0	0
333	R	333-10	2	2	2	2	12	12	12	6	6	6	1	1	1	50	50	1	0	0	0	0	1	0	0
333	R	333-20	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	0	1	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
333	R	SUM	4	4	4	4	20	20	20	5	5	5	2	2	2	50	50	1	1	0	0	0	2	0	0
333	SUM	333-10	2	2	2	2	12	12	12	6	6	6	1	1	1	50	50	1	0	0	0	0	1	0	0
333	SUM	333-20	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	0	1	0	0
333	SUM	SUM	4	4	4	4	20	20	20	5	5	5	2	2	2	50	50	1	1	0	0	0	2	0	0
334	R	334-10	3	3	3	3	3	3	3	1	1	1	3	3	3	100	100	3	0	0	0	0	3	0	0
334	R	334-11	3	3	3	3	4	4	4	1.3	1.3	1.3	3	3	3	100	100	2	0	1	0	0	3	0	0
334	R	334-20	5	5	5	5	42	42	42	8.4	8.4	8.4	4	4	4	80	80	0	4	0	0	0	4	0	0
334	R	SUM	11	11	11	11	49	49	49	4.5	4.5	4.5	10	10	10	90.9	90.9	5	4	1	0	0	10	0	0
334	SUM	334-10	3	3	3	3	3	3	3	1	1	1	3	3	3	100	100	3	0	0	0	0	3	0	0
334	SUM	334-11	3	3	3	3	4	4	4	1.3	1.3	1.3	3	3	3	100	100	2	0	1	0	0	3	0	0
334	SUM	334-20	5	5	5	5	42	42	42	8.4	8.4	8.4	4	4	4	80	80	0	4	0	0	0	4	0	0
334	SUM	SUM	11	11	11	11	49	49	49	4.5	4.5	4.5	10	10	10	90.9	90.9	5	4	1	0	0	10	0	0
335	R	335-20	3	3	3	3	66	66	66	22	22	22	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
335	R	SUM	3	3	3	3	66	66	66	22	22	22	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
335	SUM	335-20	3	3	3	3	66	66	66	22	22	22	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
335	SUM	SUM	3	3	3	3	66	66	66	22	22	22	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
340	R	340-10	10	9	9	9	27	27	27	3	3	3	9	9	9	100	90	9	0	0	0	0	8	0	1
340	R	340-20	10	10	10	10	106	106	106	10.6	10.6	10.6	9	9	9	90	90	0	9	0	0	0	9	0	0
340	R	SUM	20	19	19	19	133	133	133	7	7	7	18	18	18	94.7	90	9	9	0	0	0	17	0	1
340	SUM	340-10	10	9	9	9	27	27	27	3	3	3	9	9	9	100	90	9	0	0	0	0	8	0	1
340	SUM	340-20	10	10	10	10	106	106	106	10.6	10.6	10.6	9	9	9	90	90	0	9	0	0	0	9	0	0
340	SUM	SUM	20	19	19	19	133	133	133	7	7	7	18	18	18	94.7	90	9	9	0	0	0	17	0	1
341	R	341-10	1	1	1	1	18	18	18	18	18	18	1	1	1	100	100	1	0	0	0	0	1	0	0
341	R	341-20	3	2	2	2	28	28	28	14	14	14	2	2	2	100	66.7	0	2	0	0	0	2	0	0
341	R	SUM	4	3	3	3	46	46	46	15.3	15.3	15.3	3	3	3	100	75	1	2	0	0	0	3	0	0
341	SUM	341-10	1	1	1	1	18	18	18	18	18	18	1	1	1	100	100	1	0	0	0	0	1	0	0
341	SUM	341-20	3	2	2	2	28	28	28	14	14	14	2	2	2	100	66.7	0	2	0	0	0	2	0	0
341	SUM	SUM	4	3	3	3	46	46	46	15.3	15.3	15.3	3	3	3	100	75	1	2	0	0	0	3	0	0
350	R	350-10	2	2	2	2	11	11	11	5.5	5.5	5.5	2	2	2	100	100	2	0	0	0	0	2	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
350	R	350-20	5	5	5	5	103.8	66.1	141.4	20.8	13.2	28.3	5	5	5	100	100	0	5	0	0	0	3.8	0	1.2
350	R	SUM	7	7	7	7	114.8	77.1	152.4	16.4	11	21.8	7	7	7	100	100	2	5	0	0	0	5.8	0	1.2
350	SUM	350-10	2	2	2	2	11	11	11	5.5	5.5	5.5	2	2	2	100	100	2	0	0	0	0	2	0	0
350	SUM	350-20	5	5	5	5	103.8	66.1	141.4	20.8	13.2	28.3	5	5	5	100	100	0	5	0	0	0	3.8	0	1.2
350	SUM	SUM	7	7	7	7	114.8	77.1	152.4	16.4	11	21.8	7	7	7	100	100	2	5	0	0	0	5.8	0	1.2
360	R	360-20	5	4	4	4	47	47	47	11.8	11.8	11.8	2	2	2	50	40	0	2	0	0	0	2	0	0
360	R	SUM	5	4	4	4	47	47	47	11.8	11.8	11.8	2	2	2	50	40	0	2	0	0	0	2	0	0
360	SUM	360-20	5	4	4	4	47	47	47	11.8	11.8	11.8	2	2	2	50	40	0	2	0	0	0	2	0	0
360	SUM	SUM	5	4	4	4	47	47	47	11.8	11.8	11.8	2	2	2	50	40	0	2	0	0	0	2	0	0
361	R	361-20	5	5	5	5	31	31	31	6.2	6.2	6.2	5	5	5	100	100	0	5	0	0	0	5	0	0
361	R	SUM	5	5	5	5	31	31	31	6.2	6.2	6.2	5	5	5	100	100	0	5	0	0	0	5	0	0
361	SUM	361-20	5	5	5	5	31	31	31	6.2	6.2	6.2	5	5	5	100	100	0	5	0	0	0	5	0	0
361	SUM	SUM	5	5	5	5	31	31	31	6.2	6.2	6.2	5	5	5	100	100	0	5	0	0	0	5	0	0
362	R	362-20	3	3	3	3	14	14	14	4.7	4.7	4.7	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
362	R	SUM	3	3	3	3	14	14	14	4.7	4.7	4.7	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
362	SUM	362-20	3	3	3	3	14	14	14	4.7	4.7	4.7	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
362	SUM	SUM	3	3	3	3	14	14	14	4.7	4.7	4.7	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
380	R	380-10	2	2	2	2	17	17	17	8.5	8.5	8.5	1	1	1	50	50	1	0	0	0	0	1	0	0
380	R	380-20	5	5	5	5	58	58	58	11.6	11.6	11.6	4	4	4	80	80	0	4	0	0	0	3	1	0
380	R	SUM	7	7	7	7	75	75	75	10.7	10.7	10.7	5	5	5	71.4	71.4	1	4	0	0	0	4	1	0
380	SUM	380-10	2	2	2	2	17	17	17	8.5	8.5	8.5	1	1	1	50	50	1	0	0	0	0	1	0	0
380	SUM	380-20	5	5	5	5	58	58	58	11.6	11.6	11.6	4	4	4	80	80	0	4	0	0	0	3	1	0
380	SUM	SUM	7	7	7	7	75	75	75	10.7	10.7	10.7	5	5	5	71.4	71.4	1	4	0	0	0	4	1	0
382	R	382-20	3	3	3	3	10	10	10	3.3	3.3	3.3	3	3	3	100	100	0	3	0	0	0	3	0	0
382	R	SUM	3	3	3	3	10	10	10	3.3	3.3	3.3	3	3	3	100	100	0	3	0	0	0	3	0	0
382	SUM	382-20	3	3	3	3	10	10	10	3.3	3.3	3.3	3	3	3	100	100	0	3	0	0	0	3	0	0
382	SUM	SUM	3	3	3	3	10	10	10	3.3	3.3	3.3	3	3	3	100	100	0	3	0	0	0	3	0	0
415	R	415-20	3	3	3	3	30	30	30	10	10	10	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0
415	R	SUM	3	3	3	3	30	30	30	10	10	10	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
415	SUM	415-20	3	3	3	3	30	30	30	10	10	10	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0
415	SUM	SUM	3	3	3	3	30	30	30	10	10	10	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0
494	R	494-00	6	6	6	6	26	26	26	4.3	4.3	4.3	5	5	5	83.3	83.3	1	4	0	0	0	5	0	0
494	R	SUM	6	6	6	6	26	26	26	4.3	4.3	4.3	5	5	5	83.3	83.3	1	4	0	0	0	5	0	0
494	SUM	494-00	6	6	6	6	26	26	26	4.3	4.3	4.3	5	5	5	83.3	83.3	1	4	0	0	0	5	0	0
494	SUM	SUM	6	6	6	6	26	26	26	4.3	4.3	4.3	5	5	5	83.3	83.3	1	4	0	0	0	5	0	0
496	R	496-00	4	4	4	4	60	60	60	15	15	15	2	2	2	50	50	0	2	0	0	0	2	0	0
496	R	SUM	4	4	4	4	60	60	60	15	15	15	2	2	2	50	50	0	2	0	0	0	2	0	0
496	SUM	496-00	4	4	4	4	60	60	60	15	15	15	2	2	2	50	50	0	2	0	0	0	2	0	0
496	SUM	SUM	4	4	4	4	60	60	60	15	15	15	2	2	2	50	50	0	2	0	0	0	2	0	0
512	R	512-20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
512	R	SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
512	SUM	512-20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
512	SUM	SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
513	R	513-20	3	3	3	3	34	34	34	11.3	11.3	11.3	1	1	1	33.3	33.3	0	1	0	0	1	0	0	0
513	R	SUM	3	3	3	3	34	34	34	11.3	11.3	11.3	1	1	1	33.3	33.3	0	1	0	0	1	0	0	0
513	SUM	513-20	3	3	3	3	34	34	34	11.3	11.3	11.3	1	1	1	33.3	33.3	0	1	0	0	1	0	0	0
513	SUM	SUM	3	3	3	3	34	34	34	11.3	11.3	11.3	1	1	1	33.3	33.3	0	1	0	0	1	0	0	0
514	R	514-00	2	2	2	2	31	31	31	15.5	15.5	15.5	0	0	0	0	0	0	0	0	0	0	0	0	0
514	R	514-10	1	1	1	1	7	7	7	7	7	7	1	1	1	100	100	1	0	0	0	0	1	0	0
514	R	514-11	3	3	3	3	22	22	22	7.3	7.3	7.3	1	1	1	33.3	33.3	1	0	0	0	0	1	0	0
514	R	514-12	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	0	1	0	0
514	R	514-20	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	0	1	0	0	0	1	0	0
514	R	514-21	3	3	3	3	73	73	73	24.3	24.3	24.3	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
514	R	SUM	11	11	11	11	138	138	138	12.5	12.5	12.5	6	6	6	54.5	54.5	3	3	0	0	0	6	0	0
514	SUM	514-00	2	2	2	2	31	31	31	15.5	15.5	15.5	0	0	0	0	0	0	0	0	0	0	0	0	0
514	SUM	514-10	1	1	1	1	7	7	7	7	7	7	1	1	1	100	100	1	0	0	0	0	1	0	0
514	SUM	514-11	3	3	3	3	22	22	22	7.3	7.3	7.3	1	1	1	33.3	33.3	1	0	0	0	0	1	0	0
514	SUM	514-12	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	0	1	0	0

Table 4. Moose hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	unk agesex	< Sep 15	Sep 15 - Nov 27	> Nov 27	unk time period
514	SUM	514-20	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	0	1	0	0	0	1	0	0
514	SUM	514-21	3	3	3	3	73	73	73	24.3	24.3	24.3	2	2	2	66.7	66.7	0	2	0	0	0	2	0	0
514	SUM	SUM	11	11	11	11	138	138	138	12.5	12.5	12.5	6	6	6	54.5	54.5	3	3	0	0	0	6	0	0
515	R	515-20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
515	R	SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
515	SUM	515-20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
515	SUM	SUM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
516	R	516-20	3	3	3	3	44	44	44	14.7	14.7	14.7	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0
516	R	SUM	3	3	3	3	44	44	44	14.7	14.7	14.7	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0
516	SUM	516-20	3	3	3	3	44	44	44	14.7	14.7	14.7	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0
516	SUM	SUM	3	3	3	3	44	44	44	14.7	14.7	14.7	1	1	1	33.3	33.3	0	1	0	0	0	1	0	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
State	N	SUM	51	35.7	34.6	36.8	226.2	216.1	236.2	6.3	6.1	6.5	6.4	6	7.2	18.4	12.5	1	5.4	0	0	6.4	0
State	R	SUM	413	315.7	313.7	317.7	1873.3	1829	1917.7	5.9	5.8	6.1	223.3	221.9	224.6	70.7	54.1	87.8	131.1	4.4	1	219.1	3.1
State	SUM	SUM	464	351.5	349.2	353.8	2099.5	2054.1	2145	6	5.8	6.1	229.6	228	231.2	65.5	49.5	88.8	136.5	4.4	1	225.5	3.1
Reg_1	N	SUM	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reg_1	R	SUM	53	51	51	51	433	433	433	8.5	8.5	8.5	45	45	45	88.2	84.9	15	30	0	0	45	0
Reg_1	SUM	SUM	55	51	51	51	433	433	433	8.5	8.5	8.5	45	45	45	88.2	81.8	15	30	0	0	45	0
Reg_2	N	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
Reg_2	R	SUM	70	69	69	69	508.1	467.8	548.5	7.4	6.8	7.9	68	68	68	98.6	97.1	31	35.9	1.1	0	67	1
Reg_2	SUM	SUM	71	70	70	70	509.1	468.8	549.5	7.3	6.7	7.8	69	69	69	98.6	97.2	32	35.9	1.1	0	68	1
Reg_3	N	SUM	16	12.5	11.7	13.3	61.8	53.5	70	4.9	4.5	5.4	2.3	2	3	18.3	14.4	0	2.3	0	0	2.3	0
Reg_3	R	SUM	61	42.2	41.3	43.1	252.4	248.2	256.6	6	5.9	6.1	14.1	14	14.4	33.3	23.1	0	13	1.1	1	12	1.1
Reg_3	SUM	SUM	77	54.7	53.5	55.9	314.2	304.9	323.5	5.7	5.6	5.9	16.4	16	17.2	29.9	21.3	0	15.3	1.1	1	14.3	1.1
Reg_4	N	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
Reg_4	R	SUM	74	66.9	66.4	67.3	277	273.2	280.9	4.1	4.1	4.2	59.4	58.5	60.3	88.9	80.3	31.4	28	0	0	59.4	0
Reg_4	SUM	SUM	75	67.9	67.4	68.3	278	274.2	281.9	4.1	4	4.1	60.4	59.5	61.3	89	80.5	31.4	29	0	0	60.4	0
Reg_5	N	SUM	29	19.2	18.4	20.1	134.4	128.8	140.1	7	6.8	7.2	1.1	1	1.5	5.7	3.8	0	1.1	0	0	1.1	0
Reg_5	R	SUM	110	50.1	48.5	51.6	228.1	214.7	241.4	4.6	4.3	4.8	6.3	6	6.9	12.5	5.7	0	6.3	0	0	6.3	0
Reg_5	SUM	SUM	139	69.3	67.6	71.1	362.5	348	377	5.2	5.1	5.4	7.3	7	8.1	10.6	5.3	0	7.3	0	0	7.3	0
Reg_6	N	SUM	1	1	1	1	5	5	5	5	5	5	1	1	1	100	100	0	1	0	0	1	0
Reg_6	R	SUM	45	36.6	35.9	37.3	174.6	163.3	186	4.8	4.5	5.1	30.5	29.8	31.2	83.4	67.8	10.4	18	2.2	0	29.5	1.1
Reg_6	SUM	SUM	46	37.6	36.9	38.3	179.6	168.3	191	4.8	4.5	5.1	31.5	30.8	32.2	83.8	68.5	10.4	19	2.2	0	30.5	1.1
102	R	102-00	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
102	R	SUM	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
102	SUM	102-00	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
102	SUM	SUM	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
121	R	121-00	9	9	9	9	94	94	94	10.4	10.4	10.4	9	9	9	100	100	0	9	0	0	9	0
121	R	SUM	9	9	9	9	94	94	94	10.4	10.4	10.4	9	9	9	100	100	0	9	0	0	9	0
121	SUM	121-00	9	9	9	9	94	94	94	10.4	10.4	10.4	9	9	9	100	100	0	9	0	0	9	0
121	SUM	SUM	9	9	9	9	94	94	94	10.4	10.4	10.4	9	9	9	100	100	0	9	0	0	9	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
122	R	122-00	6	6	6	6	95	95	95	15.8	15.8	15.8	6	6	6	100	100	0	6	0	0	6	0
122	R	122-30	4	3	3	3	7	7	7	2.3	2.3	2.3	2	2	2	66.7	50	2	0	0	0	2	0
122	R	SUM	10	9	9	9	102	102	102	11.3	11.3	11.3	8	8	8	88.9	80	2	6	0	0	8	0
122	SUM	122-00	6	6	6	6	95	95	95	15.8	15.8	15.8	6	6	6	100	100	0	6	0	0	6	0
122	SUM	122-30	4	3	3	3	7	7	7	2.3	2.3	2.3	2	2	2	66.7	50	2	0	0	0	2	0
122	SUM	SUM	10	9	9	9	102	102	102	11.3	11.3	11.3	8	8	8	88.9	80	2	6	0	0	8	0
123	R	123-00	4	4	4	4	34	34	34	8.5	8.5	8.5	4	4	4	100	100	0	4	0	0	4	0
123	R	123-30	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
123	R	SUM	5	5	5	5	35	35	35	7	7	7	5	5	5	100	100	1	4	0	0	5	0
123	SUM	123-00	4	4	4	4	34	34	34	8.5	8.5	8.5	4	4	4	100	100	0	4	0	0	4	0
123	SUM	123-30	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
123	SUM	SUM	5	5	5	5	35	35	35	7	7	7	5	5	5	100	100	1	4	0	0	5	0
124	N	124-30	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	N	SUM	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	R	124-00	10	10	10	10	101	101	101	10.1	10.1	10.1	10	10	10	100	100	0	10	0	0	10	0
124	R	124-30	18	17	17	17	92	92	92	5.4	5.4	5.4	12	12	12	70.6	66.7	12	0	0	0	12	0
124	R	SUM	28	27	27	27	193	193	193	7.1	7.1	7.1	22	22	22	81.5	78.6	12	10	0	0	22	0
124	SUM	124-00	10	10	10	10	101	101	101	10.1	10.1	10.1	10	10	10	100	100	0	10	0	0	10	0
124	SUM	124-30	20	17	17	17	92	92	92	5.4	5.4	5.4	12	12	12	70.6	60	12	0	0	0	12	0
124	SUM	SUM	30	27	27	27	193	193	193	7.1	7.1	7.1	22	22	22	81.5	73.3	12	10	0	0	22	0
203	R	203-00	3	3	3	3	66	26	106	22	8.7	35.3	3	3	3	100	100	0	3	0	0	3	0
203	R	203-30	5	5	5	5	34	34	34	6.8	6.8	6.8	5	5	5	100	100	5	0	0	0	5	0
203	R	SUM	8	8	8	8	100	60	140	12.5	7.5	17.5	8	8	8	100	100	5	3	0	0	8	0
203	SUM	203-00	3	3	3	3	66	26	106	22	8.7	35.3	3	3	3	100	100	0	3	0	0	3	0
203	SUM	203-30	5	5	5	5	34	34	34	6.8	6.8	6.8	5	5	5	100	100	5	0	0	0	5	0
203	SUM	SUM	8	8	8	8	100	60	140	12.5	7.5	17.5	8	8	8	100	100	5	3	0	0	8	0
210	R	210-00	4	4	4	4	30	30	30	7.5	7.5	7.5	4	4	4	100	100	0	4	0	0	4	0
210	R	SUM	4	4	4	4	30	30	30	7.5	7.5	7.5	4	4	4	100	100	0	4	0	0	4	0
210	SUM	210-00	4	4	4	4	30	30	30	7.5	7.5	7.5	4	4	4	100	100	0	4	0	0	4	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
210	SUM	SUM	4	4	4	4	30	30	30	7.5	7.5	7.5	4	4	4	100	100	0	4	0	0	4	0
212	R	212-00	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
212	R	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
212	SUM	212-00	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
212	SUM	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
213	R	213-00	6	6	6	6	39	39	39	6.5	6.5	6.5	6	6	6	100	100	0	6	0	0	6	0
213	R	213-30	5	5	5	5	7	7	7	1.4	1.4	1.4	5	5	5	100	100	5	0	0	0	5	0
213	R	SUM	11	11	11	11	46	46	46	4.2	4.2	4.2	11	11	11	100	100	5	6	0	0	11	0
213	SUM	213-00	6	6	6	6	39	39	39	6.5	6.5	6.5	6	6	6	100	100	0	6	0	0	6	0
213	SUM	213-30	5	5	5	5	7	7	7	1.4	1.4	1.4	5	5	5	100	100	5	0	0	0	5	0
213	SUM	SUM	11	11	11	11	46	46	46	4.2	4.2	4.2	11	11	11	100	100	5	6	0	0	11	0
216	N	216-30	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
216	N	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
216	R	216-00	8	8	8	8	81.1	75.5	86.8	10.1	9.4	10.9	8	8	8	100	100	0	6.9	1.1	0	8	0
216	R	216-30	9	9	9	9	15	15	15	1.7	1.7	1.7	8	8	8	88.9	88.9	8	0	0	0	8	0
216	R	SUM	17	17	17	17	96.1	90.5	101.8	5.7	5.3	6	16	16	16	94.1	94.1	8	6.9	1.1	0	16	0
216	SUM	216-00	8	8	8	8	81.1	75.5	86.8	10.1	9.4	10.9	8	8	8	100	100	0	6.9	1.1	0	8	0
216	SUM	216-30	10	10	10	10	16	16	16	1.6	1.6	1.6	9	9	9	90	90	9	0	0	0	9	0
216	SUM	SUM	18	18	18	18	97.1	91.5	102.8	5.4	5.1	5.7	17	17	17	94.4	94.4	9	6.9	1.1	0	17	0
250	R	250-00	1	1	1	1	7	7	7	7	7	7	1	1	1	100	100	0	1	0	0	1	0
250	R	250-10	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	0	1	0	0	1	0
250	R	SUM	2	2	2	2	15	15	15	7.5	7.5	7.5	2	2	2	100	100	0	2	0	0	2	0
250	SUM	250-00	1	1	1	1	7	7	7	7	7	7	1	1	1	100	100	0	1	0	0	1	0
250	SUM	250-10	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	0	1	0	0	1	0
250	SUM	SUM	2	2	2	2	15	15	15	7.5	7.5	7.5	2	2	2	100	100	0	2	0	0	2	0
261	R	261-00	2	2	2	2	33	33	33	16.5	16.5	16.5	2	2	2	100	100	0	2	0	0	2	0
261	R	SUM	2	2	2	2	33	33	33	16.5	16.5	16.5	2	2	2	100	100	0	2	0	0	2	0
261	SUM	261-00	2	2	2	2	33	33	33	16.5	16.5	16.5	2	2	2	100	100	0	2	0	0	2	0
261	SUM	SUM	2	2	2	2	33	33	33	16.5	16.5	16.5	2	2	2	100	100	0	2	0	0	2	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
270	R	270-00	8	8	8	8	109	109	109	13.6	13.6	13.6	8	8	8	100	100	0	8	0	0	7	1
270	R	270-30	9	8	8	8	34	34	34	4.2	4.2	4.2	8	8	8	100	88.9	8	0	0	0	8	0
270	R	SUM	17	16	16	16	143	143	143	8.9	8.9	8.9	16	16	16	100	94.1	8	8	0	0	15	1
270	SUM	270-00	8	8	8	8	109	109	109	13.6	13.6	13.6	8	8	8	100	100	0	8	0	0	7	1
270	SUM	270-30	9	8	8	8	34	34	34	4.2	4.2	4.2	8	8	8	100	88.9	8	0	0	0	8	0
270	SUM	SUM	17	16	16	16	143	143	143	8.9	8.9	8.9	16	16	16	100	94.1	8	8	0	0	15	1
283	R	283-00	3	3	3	3	29	29	29	9.7	9.7	9.7	3	3	3	100	100	0	3	0	0	3	0
283	R	283-30	5	5	5	5	15	15	15	3	3	3	5	5	5	100	100	5	0	0	0	5	0
283	R	SUM	8	8	8	8	44	44	44	5.5	5.5	5.5	8	8	8	100	100	5	3	0	0	8	0
283	SUM	283-00	3	3	3	3	29	29	29	9.7	9.7	9.7	3	3	3	100	100	0	3	0	0	3	0
283	SUM	283-30	5	5	5	5	15	15	15	3	3	3	5	5	5	100	100	5	0	0	0	5	0
283	SUM	SUM	8	8	8	8	44	44	44	5.5	5.5	5.5	8	8	8	100	100	5	3	0	0	8	0
300	N	300-20	9	9	9	9	33.8	31.9	35.6	3.8	3.5	4	1.1	1	1.6	12.5	12.2	0	1.1	0	0	1.1	0
300	N	SUM	9	9	9	9	33.8	31.9	35.6	3.8	3.5	4	1.1	1	1.6	12.5	12.2	0	1.1	0	0	1.1	0
300	R	300-20	34	20.2	19.3	21.1	75.4	71.2	79.6	3.7	3.6	3.9	1.1	1	1.4	5.3	3.2	0	0	1.1	0	0	1.1
300	R	SUM	34	20.2	19.3	21.1	75.4	71.2	79.6	3.7	3.6	3.9	1.1	1	1.4	5.3	3.2	0	0	1.1	0	0	1.1
300	SUM	300-20	43	29.2	28.3	30.1	109.2	104.6	113.8	3.7	3.6	3.8	2.2	2	2.8	7.5	5.1	0	1.1	1.1	0	1.1	1.1
300	SUM	SUM	43	29.2	28.3	30.1	109.2	104.6	113.8	3.7	3.6	3.8	2.2	2	2.8	7.5	5.1	0	1.1	1.1	0	1.1	1.1
303	N	303-20	7	3.5	3	4.3	28	19.9	36.1	8	6.5	9.5	1.2	1	1.7	33.3	17.1	0	1.2	0	0	1.2	0
303	N	SUM	7	3.5	3	4.3	28	19.9	36.1	8	6.5	9.5	1.2	1	1.7	33.3	17.1	0	1.2	0	0	1.2	0
303	R	303-20	16	11	11	11	103	103	103	9.4	9.4	9.4	2	2	2	18.2	12.5	0	2	0	0	2	0
303	R	SUM	16	11	11	11	103	103	103	9.4	9.4	9.4	2	2	2	18.2	12.5	0	2	0	0	2	0
303	SUM	303-20	23	14.5	14	15.3	131	122.9	139.1	9	8.7	9.4	3.2	3	3.7	21.8	13.9	0	3.2	0	0	3.2	0
303	SUM	SUM	23	14.5	14	15.3	131	122.9	139.1	9	8.7	9.4	3.2	3	3.7	21.8	13.9	0	3.2	0	0	3.2	0
304	R	304-00	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	1	0	0
304	R	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	1	0	0
304	SUM	304-00	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	1	0	0
304	SUM	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	1	0	0
305	R	305-10	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	1	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
305	R	SUM	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	1	0
305	SUM	305-10	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	1	0
305	SUM	SUM	1	1	1	1	10	10	10	10	10	10	1	1	1	100	100	0	1	0	0	1	0
315	R	315-00	2	2	2	2	24	24	24	12	12	12	2	2	2	100	100	0	2	0	0	2	0
315	R	SUM	2	2	2	2	24	24	24	12	12	12	2	2	2	100	100	0	2	0	0	2	0
315	SUM	315-00	2	2	2	2	24	24	24	12	12	12	2	2	2	100	100	0	2	0	0	2	0
315	SUM	SUM	2	2	2	2	24	24	24	12	12	12	2	2	2	100	100	0	2	0	0	2	0
340	R	340-00	3	3	3	3	14	14	14	4.7	4.7	4.7	3	3	3	100	100	0	3	0	0	3	0
340	R	SUM	3	3	3	3	14	14	14	4.7	4.7	4.7	3	3	3	100	100	0	3	0	0	3	0
340	SUM	340-00	3	3	3	3	14	14	14	4.7	4.7	4.7	3	3	3	100	100	0	3	0	0	3	0
340	SUM	SUM	3	3	3	3	14	14	14	4.7	4.7	4.7	3	3	3	100	100	0	3	0	0	3	0
380	R	380-00	3	3	3	3	17	17	17	5.7	5.7	5.7	3	3	3	100	100	0	3	0	0	3	0
380	R	SUM	3	3	3	3	17	17	17	5.7	5.7	5.7	3	3	3	100	100	0	3	0	0	3	0
380	SUM	380-00	3	3	3	3	17	17	17	5.7	5.7	5.7	3	3	3	100	100	0	3	0	0	3	0
380	SUM	SUM	3	3	3	3	17	17	17	5.7	5.7	5.7	3	3	3	100	100	0	3	0	0	3	0
381	R	381-00	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	0	1	0	0	1	0
381	R	SUM	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	0	1	0	0	1	0
381	SUM	381-00	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	0	1	0	0	1	0
381	SUM	SUM	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	0	1	0	0	1	0
421	R	421-00	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
421	R	SUM	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
421	SUM	421-00	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
421	SUM	SUM	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
422	R	422-00	5	5	5	5	34	34	34	6.8	6.8	6.8	5	5	5	100	100	0	5	0	0	5	0
422	R	422-30	14	14	14	14	23.3	21.8	24.9	1.7	1.6	1.8	12.8	12.3	13.4	91.7	91.4	12.8	0	0	0	12.8	0
422	R	SUM	19	19	19	19	57.3	55.8	58.9	3	2.9	3.1	17.8	17.3	18.4	93.9	93.7	12.8	5	0	0	17.8	0
422	SUM	422-00	5	5	5	5	34	34	34	6.8	6.8	6.8	5	5	5	100	100	0	5	0	0	5	0
422	SUM	422-30	14	14	14	14	23.3	21.8	24.9	1.7	1.6	1.8	12.8	12.3	13.4	91.7	91.4	12.8	0	0	0	12.8	0
422	SUM	SUM	19	19	19	19	57.3	55.8	58.9	3	2.9	3.1	17.8	17.3	18.4	93.9	93.7	12.8	5	0	0	17.8	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
423	R	423-00	2	2	2	2	10	10	10	5	5	5	2	2	2	100	100	0	2	0	0	2	0
423	R	423-30	15	12.9	12.4	13.3	48.2	45.2	51.2	3.8	3.6	3.9	8.6	8	9.3	66.7	57.3	8.6	0	0	0	8.6	0
423	R	SUM	17	14.9	14.4	15.3	58.2	55.2	61.2	3.9	3.8	4.1	10.6	10	11.3	71.2	62.4	8.6	2	0	0	10.6	0
423	SUM	423-00	2	2	2	2	10	10	10	5	5	5	2	2	2	100	100	0	2	0	0	2	0
423	SUM	423-30	15	12.9	12.4	13.3	48.2	45.2	51.2	3.8	3.6	3.9	8.6	8	9.3	66.7	57.3	8.6	0	0	0	8.6	0
423	SUM	SUM	17	14.9	14.4	15.3	58.2	55.2	61.2	3.9	3.8	4.1	10.6	10	11.3	71.2	62.4	8.6	2	0	0	10.6	0
424	R	424-00	5	5	5	5	22.5	20.7	24.3	4.5	4.1	4.9	5	5	5	100	100	0	5	0	0	5	0
424	R	424-30	15	11	11	11	38	38	38	3.5	3.5	3.5	9	9	9	81.8	60	9	0	0	0	9	0
424	R	SUM	20	16	16	16	60.5	58.7	62.3	3.8	3.7	3.9	14	14	14	87.5	70	9	5	0	0	14	0
424	SUM	424-00	5	5	5	5	22.5	20.7	24.3	4.5	4.1	4.9	5	5	5	100	100	0	5	0	0	5	0
424	SUM	424-30	15	11	11	11	38	38	38	3.5	3.5	3.5	9	9	9	81.8	60	9	0	0	0	9	0
424	SUM	SUM	20	16	16	16	60.5	58.7	62.3	3.8	3.7	3.9	14	14	14	87.5	70	9	5	0	0	14	0
441	R	441-00	5	5	5	5	20	20	20	4	4	4	5	5	5	100	100	0	5	0	0	5	0
441	R	SUM	5	5	5	5	20	20	20	4	4	4	5	5	5	100	100	0	5	0	0	5	0
441	SUM	441-00	5	5	5	5	20	20	20	4	4	4	5	5	5	100	100	0	5	0	0	5	0
441	SUM	SUM	5	5	5	5	20	20	20	4	4	4	5	5	5	100	100	0	5	0	0	5	0
455	R	455-00	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	0	1	0	0	1	0
455	R	SUM	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	0	1	0	0	1	0
455	SUM	455-00	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	0	1	0	0	1	0
455	SUM	SUM	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	0	1	0	0	1	0
482	N	482-00	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
482	N	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	0	1	0	0	1	0
482	R	482-00	9	9	9	9	67	67	67	7.4	7.4	7.4	9	9	9	100	100	0	9	0	0	9	0
482	R	482-30	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	1	0
482	R	482-31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
482	R	SUM	11	10	10	10	69	69	69	6.9	6.9	6.9	10	10	10	100	90.9	1	9	0	0	10	0
482	SUM	482-00	10	10	10	10	68	68	68	6.8	6.8	6.8	10	10	10	100	100	0	10	0	0	10	0
482	SUM	482-30	1	1	1	1	2	2	2	2	2	2	1	1	1	100	100	1	0	0	0	1	0
482	SUM	482-31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
482	SUM	SUM	12	11	11	11	70	70	70	6.4	6.4	6.4	11	11	11	100	91.7	1	10	0	0	11	0
500	N	500-20	17	14.9	14.4	15.3	112.6	108.1	117.1	7.6	7.4	7.8	0	0	0	0	0	0	0	0	0	0	0
500	N	SUM	17	14.9	14.4	15.3	112.6	108.1	117.1	7.6	7.4	7.8	0	0	0	0	0	0	0	0	0	0	0
500	R	500-20	14	10.5	9.6	11.4	75.8	64.2	87.5	7.2	6.3	8.1	1.2	1	1.7	11.1	8.6	0	1.2	0	0	1.2	0
500	R	SUM	14	10.5	9.6	11.4	75.8	64.2	87.5	7.2	6.3	8.1	1.2	1	1.7	11.1	8.6	0	1.2	0	0	1.2	0
500	SUM	500-20	31	25.4	24.4	26.4	188.5	176	200.9	7.4	7	7.8	1.2	1	1.7	4.6	3.9	0	1.2	0	0	1.2	0
500	SUM	SUM	31	25.4	24.4	26.4	188.5	176	200.9	7.4	7	7.8	1.2	1	1.7	4.6	3.9	0	1.2	0	0	1.2	0
501	N	501-20	12	4.4	4	5	21.8	18.4	25.2	5	4.9	5.1	1.1	1	1.5	25	9.2	0	1.1	0	0	1.1	0
501	N	SUM	12	4.4	4	5	21.8	18.4	25.2	5	4.9	5.1	1.1	1	1.5	25	9.2	0	1.1	0	0	1.1	0
501	R	501-20	93	36.6	35.3	37.9	145.2	138.7	151.8	4	3.9	4.1	2.1	2	2.5	5.7	2.3	0	2.1	0	0	2.1	0
501	R	SUM	93	36.6	35.3	37.9	145.2	138.7	151.8	4	3.9	4.1	2.1	2	2.5	5.7	2.3	0	2.1	0	0	2.1	0
501	SUM	501-20	105	40.9	39.5	42.4	167.1	159.7	174.5	4.1	4	4.2	3.2	3	3.7	7.8	3	0	3.2	0	0	3.2	0
501	SUM	SUM	105	40.9	39.5	42.4	167.1	159.7	174.5	4.1	4	4.2	3.2	3	3.7	7.8	3	0	3.2	0	0	3.2	0
503	R	503-10	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	0	3	0	0	3	0
503	R	SUM	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	0	3	0	0	3	0
503	SUM	503-10	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	0	3	0	0	3	0
503	SUM	SUM	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	0	3	0	0	3	0
622	R	622-00	4	4	4	4	29.3	26.3	32.4	7.3	6.6	8.1	4	4	4	100	100	0	4	0	0	4	0
622	R	SUM	4	4	4	4	29.3	26.3	32.4	7.3	6.6	8.1	4	4	4	100	100	0	4	0	0	4	0
622	SUM	622-00	4	4	4	4	29.3	26.3	32.4	7.3	6.6	8.1	4	4	4	100	100	0	4	0	0	4	0
622	SUM	SUM	4	4	4	4	29.3	26.3	32.4	7.3	6.6	8.1	4	4	4	100	100	0	4	0	0	4	0
680	N	680-00	1	1	1	1	5	5	5	5	5	5	1	1	1	100	100	0	1	0	0	1	0
680	N	SUM	1	1	1	1	5	5	5	5	5	5	1	1	1	100	100	0	1	0	0	1	0
680	R	680-00	14	14	14	14	100.2	89.4	110.9	7.2	6.4	7.9	14	14	14	100	100	0	14	0	0	14	0
680	R	680-30	14	8.6	8	9.3	16.2	14.3	18	1.9	1.7	2	7.5	7	8.2	87.5	53.6	5.4	0	2.2	0	6.5	1.1
680	R	680-31	13	10	10	10	29	29	29	2.9	2.9	2.9	5	5	5	50	38.5	5	0	0	0	5	0
680	R	SUM	41	32.6	31.9	33.3	145.3	134.4	156.2	4.5	4.1	4.8	26.5	25.8	27.2	81.4	64.6	10.4	14	2.2	0	25.5	1.1
680	SUM	680-00	15	15	15	15	105.2	94.4	115.9	7	6.3	7.7	15	15	15	100	100	0	15	0	0	15	0
680	SUM	680-30	14	8.6	8	9.3	16.2	14.3	18	1.9	1.7	2	7.5	7	8.2	87.5	53.6	5.4	0	2.2	0	6.5	1.1

Table 5. Bighorn sheep hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	unk agesex	< Sep 15	Sep 15 - Nov 27	unk time period
680	SUM	680-31	13	10	10	10	29	29	29	2.9	2.9	2.9	5	5	5	50	38.5	5	0	0	0	5	0
680	SUM	SUM	42	33.6	32.9	34.3	150.3	139.4	161.2	4.5	4.1	4.8	27.5	26.8	28.2	81.9	65.5	10.4	15	2.2	0	26.5	1.1

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
State	N	SUM	14	14	14	14	42	42	42	3	3	3	10	10	10	71.4	71.4	5	5	0	1	9	0
State	R	SUM	305	292.6	290	295.3	1756.3	1731.2	1781.4	6	5.9	6.1	226.2	223.5	228.9	77.3	74.2	82.5	142.7	1	9.2	215.7	1.3
State	SUM	SUM	319	306.6	304	309.3	1798.3	1773.2	1823.4	5.9	5.8	5.9	236.2	233.5	238.9	77	74	87.5	147.7	1	10.2	224.7	1.3
Reg_1	R	SUM	44	41	41	41	303	303	303	7.4	7.4	7.4	33	33	33	80.5	75	13	19	1	0	33	0
Reg_1	SUM	SUM	44	41	41	41	303	303	303	7.4	7.4	7.4	33	33	33	80.5	75	13	19	1	0	33	0
Reg_2	R	SUM	23	23	22	23	169	154.5	183.5	7.3	7.3	7.4	14	13	15.8	60.9	60.9	4	10	0	0	14	0
Reg_2	SUM	SUM	23	23	22	23	169	154.5	183.5	7.3	7.3	7.4	14	13	15.8	60.9	60.9	4	10	0	0	14	0
Reg_3	N	SUM	13	13	13	13	38	38	38	2.9	2.9	2.9	9	9	9	69.2	69.2	5	4	0	1	8	0
Reg_3	R	SUM	194	184.6	183.9	185.4	1040	1023.2	1056.8	5.6	5.5	5.7	143.4	141.6	145.3	77.7	73.9	48.5	95	0	9.2	132.9	1.3
Reg_3	SUM	SUM	207	197.6	196.9	198.4	1078	1061.2	1094.8	5.5	5.4	5.5	152.4	150.6	154.3	77.1	73.6	53.5	99	0	10.2	140.9	1.3
Reg_4	N	SUM	1	1	1	1	4	4	4	4	4	4	1	1	1	100	100	0	1	0	0	1	0
Reg_4	R	SUM	25	25	25	25	155	155	155	6.2	6.2	6.2	21	21	21	84	84	9	12	0	0	21	0
Reg_4	SUM	SUM	26	26	26	26	159	159	159	6.1	6.1	6.1	22	22	22	84.6	84.6	9	13	0	0	22	0
Reg_5	R	SUM	19	19	17.2	19	89.2	77.6	100.9	4.7	4.4	5	14.8	14	15.5	77.6	77.9	8	6.8	0	0	14.8	0
Reg_5	SUM	SUM	19	19	17.2	19	89.2	77.6	100.9	4.7	4.4	5	14.8	14	15.5	77.6	77.9	8	6.8	0	0	14.8	0
100	R	100-00	8	7	7	7	63	63	63	9	9	9	5	5	5	71.4	62.5	2	3	0	0	5	0
100	R	SUM	8	7	7	7	63	63	63	9	9	9	5	5	5	71.4	62.5	2	3	0	0	5	0
100	SUM	100-00	8	7	7	7	63	63	63	9	9	9	5	5	5	71.4	62.5	2	3	0	0	5	0
100	SUM	SUM	8	7	7	7	63	63	63	9	9	9	5	5	5	71.4	62.5	2	3	0	0	5	0
101	R	101-00	4	4	4	4	26	26	26	6.5	6.5	6.5	4	4	4	100	100	1	3	0	0	4	0
101	R	SUM	4	4	4	4	26	26	26	6.5	6.5	6.5	4	4	4	100	100	1	3	0	0	4	0
101	SUM	101-00	4	4	4	4	26	26	26	6.5	6.5	6.5	4	4	4	100	100	1	3	0	0	4	0
101	SUM	SUM	4	4	4	4	26	26	26	6.5	6.5	6.5	4	4	4	100	100	1	3	0	0	4	0
131	R	131-00	5	4	4	4	24	24	24	6	6	6	2	2	2	50	40	1	1	0	0	2	0
131	R	SUM	5	4	4	4	24	24	24	6	6	6	2	2	2	50	40	1	1	0	0	2	0
131	SUM	131-00	5	4	4	4	24	24	24	6	6	6	2	2	2	50	40	1	1	0	0	2	0
131	SUM	SUM	5	4	4	4	24	24	24	6	6	6	2	2	2	50	40	1	1	0	0	2	0
132	R	132-00	5	5	5	5	53	53	53	10.6	10.6	10.6	4	4	4	80	80	1	3	0	0	4	0
132	R	SUM	5	5	5	5	53	53	53	10.6	10.6	10.6	4	4	4	80	80	1	3	0	0	4	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
132	SUM	132-00	5	5	5	5	53	53	53	10.6	10.6	10.6	4	4	4	80	80	1	3	0	0	4	0
132	SUM	SUM	5	5	5	5	53	53	53	10.6	10.6	10.6	4	4	4	80	80	1	3	0	0	4	0
133	R	133-00	5	4	4	4	23	23	23	5.8	5.8	5.8	3	3	3	75	60	2	1	0	0	3	0
133	R	SUM	5	4	4	4	23	23	23	5.8	5.8	5.8	3	3	3	75	60	2	1	0	0	3	0
133	SUM	133-00	5	4	4	4	23	23	23	5.8	5.8	5.8	3	3	3	75	60	2	1	0	0	3	0
133	SUM	SUM	5	4	4	4	23	23	23	5.8	5.8	5.8	3	3	3	75	60	2	1	0	0	3	0
134	R	134-00	2	2	2	2	10	10	10	5	5	5	2	2	2	100	100	0	2	0	0	2	0
134	R	SUM	2	2	2	2	10	10	10	5	5	5	2	2	2	100	100	0	2	0	0	2	0
134	SUM	134-00	2	2	2	2	10	10	10	5	5	5	2	2	2	100	100	0	2	0	0	2	0
134	SUM	SUM	2	2	2	2	10	10	10	5	5	5	2	2	2	100	100	0	2	0	0	2	0
140	R	140-00	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	1	0	0	0	1	0
140	R	SUM	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	1	0	0	0	1	0
140	SUM	140-00	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	1	0	0	0	1	0
140	SUM	SUM	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	1	0	0	0	1	0
141	R	141-00	4	4	4	4	43	43	43	10.8	10.8	10.8	4	4	4	100	100	0	3	1	0	4	0
141	R	SUM	4	4	4	4	43	43	43	10.8	10.8	10.8	4	4	4	100	100	0	3	1	0	4	0
141	SUM	141-00	4	4	4	4	43	43	43	10.8	10.8	10.8	4	4	4	100	100	0	3	1	0	4	0
141	SUM	SUM	4	4	4	4	43	43	43	10.8	10.8	10.8	4	4	4	100	100	0	3	1	0	4	0
142	R	142-00	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	2	1	0	0	3	0
142	R	SUM	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	2	1	0	0	3	0
142	SUM	142-00	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	2	1	0	0	3	0
142	SUM	SUM	3	3	3	3	15	15	15	5	5	5	3	3	3	100	100	2	1	0	0	3	0
150	R	150-00	2	2	2	2	7	7	7	3.5	3.5	3.5	2	2	2	100	100	2	0	0	0	2	0
150	R	SUM	2	2	2	2	7	7	7	3.5	3.5	3.5	2	2	2	100	100	2	0	0	0	2	0
150	SUM	150-00	2	2	2	2	7	7	7	3.5	3.5	3.5	2	2	2	100	100	2	0	0	0	2	0
150	SUM	SUM	2	2	2	2	7	7	7	3.5	3.5	3.5	2	2	2	100	100	2	0	0	0	2	0
151	R	151-00	4	4	4	4	26	26	26	6.5	6.5	6.5	3	3	3	75	75	1	2	0	0	3	0
151	R	SUM	4	4	4	4	26	26	26	6.5	6.5	6.5	3	3	3	75	75	1	2	0	0	3	0
151	SUM	151-00	4	4	4	4	26	26	26	6.5	6.5	6.5	3	3	3	75	75	1	2	0	0	3	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
151	SUM	SUM	4	4	4	4	26	26	26	6.5	6.5	6.5	3	3	3	75	75	1	2	0	0	3	0
212	R	212-00	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	0	1	0	0	1	0
212	R	SUM	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	0	1	0	0	1	0
212	SUM	212-00	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	0	1	0	0	1	0
212	SUM	SUM	2	2	2	2	13	13	13	6.5	6.5	6.5	1	1	1	50	50	0	1	0	0	1	0
222	R	222-00	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
222	R	SUM	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
222	SUM	222-00	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
222	SUM	SUM	1	1	1	1	9	9	9	9	9	9	1	1	1	100	100	0	1	0	0	1	0
223	R	223-00	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	1	0
223	R	SUM	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	1	0
223	SUM	223-00	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	1	0
223	SUM	SUM	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	1	0
240	R	240-00	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	1	0	0	0	1	0
240	R	240-01	2	2	1	2	16	1.5	30.5	8	8	8	2	1	2	100	100	0	2	0	0	2	0
240	R	240-02	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	1	0
240	R	240-03	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
240	R	240-04	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	1	0	0	0	1	0
240	R	240-05	2	2	2	2	32	32	32	16	16	16	0	0	0	0	0	0	0	0	0	0	0
240	R	240-06	1	1	1	1	6	6	6	6	6	6	1	1	1	100	100	1	0	0	0	1	0
240	R	240-07	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
240	R	240-08	1	1	1	1	12	12	12	12	12	12	1	1	1	100	100	0	1	0	0	1	0
240	R	SUM	12	12	11	12	88	73.5	102.5	7.3	7.2	7.4	8	7	9.8	66.7	66.7	4	4	0	0	8	0
240	SUM	240-00	1	1	1	1	3	3	3	3	3	3	1	1	1	100	100	1	0	0	0	1	0
240	SUM	240-01	2	2	1	2	16	1.5	30.5	8	8	8	2	1	2	100	100	0	2	0	0	2	0
240	SUM	240-02	2	2	2	2	8	8	8	4	4	4	1	1	1	50	50	0	1	0	0	1	0
240	SUM	240-03	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
240	SUM	240-04	1	1	1	1	8	8	8	8	8	8	1	1	1	100	100	1	0	0	0	1	0
240	SUM	240-05	2	2	2	2	32	32	32	16	16	16	0	0	0	0	0	0	0	0	0	0	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
240	SUM	240-06	1	1	1	1	6	6	6	6	6	6	1	1	1	100	100	1	0	0	0	1	0
240	SUM	240-07	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
240	SUM	240-08	1	1	1	1	12	12	12	12	12	12	1	1	1	100	100	0	1	0	0	1	0
240	SUM	SUM	12	12	11	12	88	73.5	102.5	7.3	7.2	7.4	8	7	9.8	66.7	66.7	4	4	0	0	8	0
250	R	250-00	1	1	1	1	18	18	18	18	18	18	1	1	1	100	100	0	1	0	0	1	0
250	R	250-01	1	1	1	1	6	6	6	6	6	6	1	1	1	100	100	0	1	0	0	1	0
250	R	SUM	2	2	2	2	24	24	24	12	12	12	2	2	2	100	100	0	2	0	0	2	0
250	SUM	250-00	1	1	1	1	18	18	18	18	18	18	1	1	1	100	100	0	1	0	0	1	0
250	SUM	250-01	1	1	1	1	6	6	6	6	6	6	1	1	1	100	100	0	1	0	0	1	0
250	SUM	SUM	2	2	2	2	24	24	24	12	12	12	2	2	2	100	100	0	2	0	0	2	0
261	R	261-00	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
261	R	SUM	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
261	SUM	261-00	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
261	SUM	SUM	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
270	R	270-00	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
270	R	SUM	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
270	SUM	270-00	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
270	SUM	SUM	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
280	R	280-00	2	2	2	2	10	10	10	5	5	5	1	1	1	50	50	0	1	0	0	1	0
280	R	SUM	2	2	2	2	10	10	10	5	5	5	1	1	1	50	50	0	1	0	0	1	0
280	SUM	280-00	2	2	2	2	10	10	10	5	5	5	1	1	1	50	50	0	1	0	0	1	0
280	SUM	SUM	2	2	2	2	10	10	10	5	5	5	1	1	1	50	50	0	1	0	0	1	0
312	R	312-00	8	8	8	8	63	63	63	7.9	7.9	7.9	8	8	8	100	100	4	4	0	1	7	0
312	R	SUM	8	8	8	8	63	63	63	7.9	7.9	7.9	8	8	8	100	100	4	4	0	1	7	0
312	SUM	312-00	8	8	8	8	63	63	63	7.9	7.9	7.9	8	8	8	100	100	4	4	0	1	7	0
312	SUM	SUM	8	8	8	8	63	63	63	7.9	7.9	7.9	8	8	8	100	100	4	4	0	1	7	0
313	N	313-00	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	2	1	0	1	2	0
313	N	SUM	3	3	3	3	7	7	7	2.3	2.3	2.3	3	3	3	100	100	2	1	0	1	2	0
313	R	313-00	27	27	27	27	146.4	140.7	152.1	5.4	5.2	5.6	23.9	23.5	24.3	88.5	88.5	7.3	16.6	0	5.2	18.7	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
313	R	SUM	27	27	27	27	146.4	140.7	152.1	5.4	5.2	5.6	23.9	23.5	24.3	88.5	88.5	7.3	16.6	0	5.2	18.7	0
313	SUM	313-00	30	30	30	30	153.4	147.7	159.1	5.1	4.9	5.3	26.9	26.5	27.3	89.6	89.7	9.3	17.6	0	6.2	20.7	0
313	SUM	SUM	30	30	30	30	153.4	147.7	159.1	5.1	4.9	5.3	26.9	26.5	27.3	89.6	89.7	9.3	17.6	0	6.2	20.7	0
314	N	314-00	1	1	1	1	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0
314	N	SUM	1	1	1	1	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0
314	R	314-00	13	13	13	13	66	66	66	5.1	5.1	5.1	12	12	12	92.3	92.3	7	5	0	0	12	0
314	R	SUM	13	13	13	13	66	66	66	5.1	5.1	5.1	12	12	12	92.3	92.3	7	5	0	0	12	0
314	SUM	314-00	14	14	14	14	71	71	71	5.1	5.1	5.1	12	12	12	85.7	85.7	7	5	0	0	12	0
314	SUM	SUM	14	14	14	14	71	71	71	5.1	5.1	5.1	12	12	12	85.7	85.7	7	5	0	0	12	0
316	N	316-00	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
316	N	SUM	1	1	1	1	1	1	1	1	1	1	1	1	1	100	100	1	0	0	0	1	0
316	R	316-00	11	11	11	11	36	36	36	3.3	3.3	3.3	8	8	8	72.7	72.7	4	4	0	0	8	0
316	R	SUM	11	11	11	11	36	36	36	3.3	3.3	3.3	8	8	8	72.7	72.7	4	4	0	0	8	0
316	SUM	316-00	12	12	12	12	37	37	37	3.1	3.1	3.1	9	9	9	75	75	5	4	0	0	9	0
316	SUM	SUM	12	12	12	12	37	37	37	3.1	3.1	3.1	9	9	9	75	75	5	4	0	0	9	0
320	N	320-00	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
320	N	SUM	1	1	1	1	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
320	R	320-00	14	14	14	14	101.2	94.6	107.8	7.2	6.8	7.7	11.8	11.3	12.3	84.6	84.3	3.2	8.6	0	0	11.8	0
320	R	SUM	14	14	14	14	101.2	94.6	107.8	7.2	6.8	7.7	11.8	11.3	12.3	84.6	84.3	3.2	8.6	0	0	11.8	0
320	SUM	320-00	15	15	15	15	103.2	96.6	109.8	6.9	6.4	7.3	11.8	11.3	12.3	79	78.7	3.2	8.6	0	0	11.8	0
320	SUM	SUM	15	15	15	15	103.2	96.6	109.8	6.9	6.4	7.3	11.8	11.3	12.3	79	78.7	3.2	8.6	0	0	11.8	0
321	R	321-00	4	4	4	4	21	21	21	5.2	5.2	5.2	3	3	3	75	75	0	3	0	1	2	0
321	R	SUM	4	4	4	4	21	21	21	5.2	5.2	5.2	3	3	3	75	75	0	3	0	1	2	0
321	SUM	321-00	4	4	4	4	21	21	21	5.2	5.2	5.2	3	3	3	75	75	0	3	0	1	2	0
321	SUM	SUM	4	4	4	4	21	21	21	5.2	5.2	5.2	3	3	3	75	75	0	3	0	1	2	0
322	R	322-00	2	2	2	2	16	16	16	8	8	8	2	2	2	100	100	1	1	0	1	1	0
322	R	SUM	2	2	2	2	16	16	16	8	8	8	2	2	2	100	100	1	1	0	1	1	0
322	SUM	322-00	2	2	2	2	16	16	16	8	8	8	2	2	2	100	100	1	1	0	1	1	0
322	SUM	SUM	2	2	2	2	16	16	16	8	8	8	2	2	2	100	100	1	1	0	1	1	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
323	N	323-00	2	2	2	2	4	4	4	2	2	2	1	1	1	50	50	1	0	0	0	1	0
323	N	SUM	2	2	2	2	4	4	4	2	2	2	1	1	1	50	50	1	0	0	0	1	0
323	R	323-00	24	19.8	19.3	20.3	108.5	103.1	113.9	5.5	5.2	5.7	12.5	12	13.2	63.2	52.1	2.1	10.4	0	0	12.5	0
323	R	SUM	24	19.8	19.3	20.3	108.5	103.1	113.9	5.5	5.2	5.7	12.5	12	13.2	63.2	52.1	2.1	10.4	0	0	12.5	0
323	SUM	323-00	26	21.8	21.3	22.3	112.5	107.1	117.9	5.2	4.9	5.4	13.5	13	14.2	62	51.9	3.1	10.4	0	0	13.5	0
323	SUM	SUM	26	21.8	21.3	22.3	112.5	107.1	117.9	5.2	4.9	5.4	13.5	13	14.2	62	51.9	3.1	10.4	0	0	13.5	0
324	R	324-00	4	4	4	4	20	20	20	5	5	5	4	4	4	100	100	1	3	0	1	3	0
324	R	SUM	4	4	4	4	20	20	20	5	5	5	4	4	4	100	100	1	3	0	1	3	0
324	SUM	324-00	4	4	4	4	20	20	20	5	5	5	4	4	4	100	100	1	3	0	1	3	0
324	SUM	SUM	4	4	4	4	20	20	20	5	5	5	4	4	4	100	100	1	3	0	1	3	0
325	N	325-00	1	1	1	1	5	5	5	5	5	5	1	1	1	100	100	0	1	0	0	1	0
325	N	SUM	1	1	1	1	5	5	5	5	5	5	1	1	1	100	100	0	1	0	0	1	0
325	R	325-00	9	9	9	9	57.9	48.5	67.3	6.4	5.4	7.5	9	9	9	100	100	2.6	6.4	0	0	9	0
325	R	SUM	9	9	9	9	57.9	48.5	67.3	6.4	5.4	7.5	9	9	9	100	100	2.6	6.4	0	0	9	0
325	SUM	325-00	10	10	10	10	62.9	53.5	72.3	6.3	5.3	7.2	10	10	10	100	100	2.6	7.4	0	0	10	0
325	SUM	SUM	10	10	10	10	62.9	53.5	72.3	6.3	5.3	7.2	10	10	10	100	100	2.6	7.4	0	0	10	0
326	N	326-00	1	1	1	1	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0
326	N	SUM	1	1	1	1	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0
326	R	326-00	15	13.9	13.6	14.3	71.8	67.2	76.4	5.2	4.8	5.5	7.5	7	8.2	53.8	50	3.2	4.3	0	0	7.5	0
326	R	SUM	15	13.9	13.6	14.3	71.8	67.2	76.4	5.2	4.8	5.5	7.5	7	8.2	53.8	50	3.2	4.3	0	0	7.5	0
326	SUM	326-00	16	14.9	14.6	15.3	80.8	76.2	85.4	5.4	5.1	5.7	7.5	7	8.2	50.2	46.9	3.2	4.3	0	0	7.5	0
326	SUM	SUM	16	14.9	14.6	15.3	80.8	76.2	85.4	5.4	5.1	5.7	7.5	7	8.2	50.2	46.9	3.2	4.3	0	0	7.5	0
327	R	327-00	8	8	8	8	17.3	12.3	22.4	2.2	1.5	2.8	5.3	4.3	6.4	66.7	66.2	2.7	2.7	0	0	4	1.3
327	R	SUM	8	8	8	8	17.3	12.3	22.4	2.2	1.5	2.8	5.3	4.3	6.4	66.7	66.2	2.7	2.7	0	0	4	1.3
327	SUM	327-00	8	8	8	8	17.3	12.3	22.4	2.2	1.5	2.8	5.3	4.3	6.4	66.7	66.2	2.7	2.7	0	0	4	1.3
327	SUM	SUM	8	8	8	8	17.3	12.3	22.4	2.2	1.5	2.8	5.3	4.3	6.4	66.7	66.2	2.7	2.7	0	0	4	1.3
328	R	328-00	4	4	4	4	39	39	39	9.8	9.8	9.8	3	3	3	75	75	1	2	0	0	3	0
328	R	SUM	4	4	4	4	39	39	39	9.8	9.8	9.8	3	3	3	75	75	1	2	0	0	3	0
328	SUM	328-00	4	4	4	4	39	39	39	9.8	9.8	9.8	3	3	3	75	75	1	2	0	0	3	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
328	SUM	SUM	4	4	4	4	39	39	39	9.8	9.8	9.8	3	3	3	75	75	1	2	0	0	3	0
329	N	329-00	3	3	3	3	5	5	5	1.7	1.7	1.7	3	3	3	100	100	1	2	0	0	3	0
329	N	SUM	3	3	3	3	5	5	5	1.7	1.7	1.7	3	3	3	100	100	1	2	0	0	3	0
329	R	329-00	29	25.9	25.5	26.3	155.4	148.9	161.8	6	5.8	6.2	17.6	17	18.3	68	60.7	5.2	12.4	0	0	17.6	0
329	R	SUM	29	25.9	25.5	26.3	155.4	148.9	161.8	6	5.8	6.2	17.6	17	18.3	68	60.7	5.2	12.4	0	0	17.6	0
329	SUM	329-00	32	28.9	28.5	29.3	160.4	153.9	166.8	5.6	5.3	5.8	20.6	20	21.3	71.3	64.4	6.2	14.4	0	0	20.6	0
329	SUM	SUM	32	28.9	28.5	29.3	160.4	153.9	166.8	5.6	5.3	5.8	20.6	20	21.3	71.3	64.4	6.2	14.4	0	0	20.6	0
330	R	330-00	6	6	6	6	42	42	42	7	7	7	4	4	4	66.7	66.7	2	2	0	0	4	0
330	R	SUM	6	6	6	6	42	42	42	7	7	7	4	4	4	66.7	66.7	2	2	0	0	4	0
330	SUM	330-00	6	6	6	6	42	42	42	7	7	7	4	4	4	66.7	66.7	2	2	0	0	4	0
330	SUM	SUM	6	6	6	6	42	42	42	7	7	7	4	4	4	66.7	66.7	2	2	0	0	4	0
331	R	331-00	5	5	5	5	7.5	6.7	8.3	1.5	1.3	1.7	3.8	3	4.5	75	76	1.2	2.5	0	0	3.8	0
331	R	SUM	5	5	5	5	7.5	6.7	8.3	1.5	1.3	1.7	3.8	3	4.5	75	76	1.2	2.5	0	0	3.8	0
331	SUM	331-00	5	5	5	5	7.5	6.7	8.3	1.5	1.3	1.7	3.8	3	4.5	75	76	1.2	2.5	0	0	3.8	0
331	SUM	SUM	5	5	5	5	7.5	6.7	8.3	1.5	1.3	1.7	3.8	3	4.5	75	76	1.2	2.5	0	0	3.8	0
362	R	362-00	6	5	5	5	43	43	43	8.6	8.6	8.6	3	3	3	60	50	1	2	0	0	3	0
362	R	SUM	6	5	5	5	43	43	43	8.6	8.6	8.6	3	3	3	60	50	1	2	0	0	3	0
362	SUM	362-00	6	5	5	5	43	43	43	8.6	8.6	8.6	3	3	3	60	50	1	2	0	0	3	0
362	SUM	SUM	6	5	5	5	43	43	43	8.6	8.6	8.6	3	3	3	60	50	1	2	0	0	3	0
393	R	393-00	5	5	5	5	28	28	28	5.6	5.6	5.6	5	5	5	100	100	0	5	0	0	5	0
393	R	SUM	5	5	5	5	28	28	28	5.6	5.6	5.6	5	5	5	100	100	0	5	0	0	5	0
393	SUM	393-00	5	5	5	5	28	28	28	5.6	5.6	5.6	5	5	5	100	100	0	5	0	0	5	0
393	SUM	SUM	5	5	5	5	28	28	28	5.6	5.6	5.6	5	5	5	100	100	0	5	0	0	5	0
414	R	414-00	1	1	1	1	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0
414	R	SUM	1	1	1	1	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0
414	SUM	414-00	1	1	1	1	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0
414	SUM	SUM	1	1	1	1	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0
415	R	415-00	3	3	3	3	18	18	18	6	6	6	2	2	2	66.7	66.7	0	2	0	0	2	0
415	R	SUM	3	3	3	3	18	18	18	6	6	6	2	2	2	66.7	66.7	0	2	0	0	2	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
415	SUM	415-00	3	3	3	3	18	18	18	6	6	6	2	2	2	66.7	66.7	0	2	0	0	2	0
415	SUM	SUM	3	3	3	3	18	18	18	6	6	6	2	2	2	66.7	66.7	0	2	0	0	2	0
442	R	442-00	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
442	R	SUM	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
442	SUM	442-00	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
442	SUM	SUM	1	1	1	1	15	15	15	15	15	15	0	0	0	0	0	0	0	0	0	0	0
447	N	447-00	1	1	1	1	4	4	4	4	4	4	1	1	1	100	100	0	1	0	0	1	0
447	N	SUM	1	1	1	1	4	4	4	4	4	4	1	1	1	100	100	0	1	0	0	1	0
447	R	447-00	11	11	11	11	27	27	27	2.5	2.5	2.5	10	10	10	90.9	90.9	6	4	0	0	10	0
447	R	SUM	11	11	11	11	27	27	27	2.5	2.5	2.5	10	10	10	90.9	90.9	6	4	0	0	10	0
447	SUM	447-00	12	12	12	12	31	31	31	2.6	2.6	2.6	11	11	11	91.7	91.7	6	5	0	0	11	0
447	SUM	SUM	12	12	12	12	31	31	31	2.6	2.6	2.6	11	11	11	91.7	91.7	6	5	0	0	11	0
451	R	451-00	4	4	4	4	24	24	24	6	6	6	4	4	4	100	100	2	2	0	0	4	0
451	R	SUM	4	4	4	4	24	24	24	6	6	6	4	4	4	100	100	2	2	0	0	4	0
451	SUM	451-00	4	4	4	4	24	24	24	6	6	6	4	4	4	100	100	2	2	0	0	4	0
451	SUM	SUM	4	4	4	4	24	24	24	6	6	6	4	4	4	100	100	2	2	0	0	4	0
460	R	460-00	5	5	5	5	60	60	60	12	12	12	5	5	5	100	100	1	4	0	0	5	0
460	R	SUM	5	5	5	5	60	60	60	12	12	12	5	5	5	100	100	1	4	0	0	5	0
460	SUM	460-00	5	5	5	5	60	60	60	12	12	12	5	5	5	100	100	1	4	0	0	5	0
460	SUM	SUM	5	5	5	5	60	60	60	12	12	12	5	5	5	100	100	1	4	0	0	5	0
514	R	514-00	4	4	4	4	18	18	18	4.5	4.5	4.5	4	4	4	100	100	3	1	0	0	4	0
514	R	SUM	4	4	4	4	18	18	18	4.5	4.5	4.5	4	4	4	100	100	3	1	0	0	4	0
514	SUM	514-00	4	4	4	4	18	18	18	4.5	4.5	4.5	4	4	4	100	100	3	1	0	0	4	0
514	SUM	SUM	4	4	4	4	18	18	18	4.5	4.5	4.5	4	4	4	100	100	3	1	0	0	4	0
517	R	517-00	8	8	8	8	33	33	33	4.1	4.1	4.1	7	7	7	87.5	87.5	5	2	0	0	7	0
517	R	SUM	8	8	8	8	33	33	33	4.1	4.1	4.1	7	7	7	87.5	87.5	5	2	0	0	7	0
517	SUM	517-00	8	8	8	8	33	33	33	4.1	4.1	4.1	7	7	7	87.5	87.5	5	2	0	0	7	0
517	SUM	SUM	8	8	8	8	33	33	33	4.1	4.1	4.1	7	7	7	87.5	87.5	5	2	0	0	7	0
518	R	518-00	5	5	5	5	26.2	22	30.5	5.2	4.4	6.1	3.8	3	4.5	75	76	0	3.8	0	0	3.8	0

Table 6. Mountain goat hunting effort, total harvest, age-sex class harvest, and time period of harvest estimates, license year 2005.

district	Res	LPT	number issued	hunters	hunters LCI80	hunters UCI80	days	days LCI80	days UCI80	days:hunter	days:hunter LCI80	days:hunter UCI80	total harvest	total LCI80	total UCI80	hunter success percent	management success percent	female	male	young	< Sep 15	Sep 15 - Nov 27	unk time period
518	R	SUM	5	5	5	5	26.2	22	30.5	5.2	4.4	6.1	3.8	3	4.5	75	76	0	3.8	0	0	3.8	0
518	SUM	518-00	5	5	5	5	26.2	22	30.5	5.2	4.4	6.1	3.8	3	4.5	75	76	0	3.8	0	0	3.8	0
518	SUM	SUM	5	5	5	5	26.2	22	30.5	5.2	4.4	6.1	3.8	3	4.5	75	76	0	3.8	0	0	3.8	0
519	R	519-00	2	2	1	2	12	1.1	22.9	6	6	6	0	0	0	0	0	0	0	0	0	0	0
519	R	SUM	2	2	1	2	12	1.1	22.9	6	6	6	0	0	0	0	0	0	0	0	0	0	0
519	SUM	519-00	2	2	1	2	12	1.1	22.9	6	6	6	0	0	0	0	0	0	0	0	0	0	0
519	SUM	SUM	2	2	1	2	12	1.1	22.9	6	6	6	0	0	0	0	0	0	0	0	0	0	0

Discussion

License year 2005 marks the beginning of several changes in the harvest survey program. One of these changes is collapsing the many time period of harvest classes for which estimates were made in previous years into smaller number of categories. This was done in order to make more reliable estimates of harvest for these parameters. This change was made because when we estimate harvest in these categories in each hunting district for individual LPT's, our ability to meet accuracy and precision goals is limited. At working group meetings following the collection of these data, the desired level of precision was stated as $\leq \pm 15\%$ of point estimates, using 80% confidence intervals. Using this metric, approximately 7% of the total harvest point estimates contained in the tables of estimates above do not meet our precision goals. Because estimating harvest by time period categories always involves estimating smaller quantities than when estimating total harvest, our ability to reliably estimate quantities in these categories will be more limited.

Also, because confidence intervals for harvest parameters are only estimated around total harvest, biologists that use the various harvest estimates for season setting cannot assess the reliability and precision of most estimated harvest parameters. This issue will be addressed in coming years. Accuracy and precision goals will be the focus of the sampling rate determination, and estimates that do not meet precision goals will be flagged in reports.

Lastly, substantial portions of the hunting and harvest surveys for bighorn sheep and mountain goats are duplications of effort with mandatory checking programs that are in place for these species. Consequently, discussions are currently underway concerning the value of conducting the harvest surveys for these species. The major gain in conducting these surveys is for collection and use of data concerning hunting effort for unsuccessful hunters that have not checked animals with FWP staff. If surveys are continued in coming years, we will develop a system to conduct surveys only of these unsuccessful hunters. Estimates from these surveys will be combined with information from the mandatory check program so that effort duplication is minimized.

Literature Cited

Cada, JD. 1983. Evaluations of the telephone and mail survey methods of obtaining harvest data from licensed sportsmen in Montana. Pp 117-128 *in* SL Beasom and SF Roberson, eds. Game Harvest Management. Caesar Kleberg Research Institute, Kingsville, TX, USA.

Cada, JD, C Eustace, B Hoskins, and B Watts. 1986. An evaluation of Montana's statewide game harvest survey. Montana Department of Fish, Wildlife, and Parks, unpublished report. 44 pp.

Gooch, BC. 1971. Antelope, elk, and bear harvest survey: a review of the current program and recommendations for improvement. Montana Department of Administration Data Processing Center, unpublished report. 80 pp.

Lohr, SL. 1999. Sampling: design and analysis. Duxbury Press, Belmont, California, USA.

Lumley, T. 2004. Analysis of complex survey samples. Journal of Statistical Software 9:1-19

Martin, SA. 2005. Hunter sampling and survey label production, license year 2004. Montana Department of Fish, Wildlife, and Parks, unpublished report. 17 pp.

R Development Core Team. 2006. R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL http://www.R-project.org.

Thompson, WK. 1947. A seven year analysis of big game hunting in Montana, including final report on project 19-R: big game utilization studies. Pp. 1-16 *in* Montana Department of Fish, Wildlife, and Parks, Wildlife Restoration Division, Quarterly P-R report.

Thompson, SK. 2002. Sampling. John Wiley and Sons, Inc., New York, New York, USA.

Appendix 1: 2005 Special Big Game hunting and harvest survey questionnaire.

6

2005 SPECIAL BIG GAME

Our records show that you were issued a Special Big Game hunting license in Montana in 2005. The species is shown on the label to the left. The questions below concern hunting of this species only. The information you provide will be used for management purposes. Thank you.

1. Did you hunt this species in 2005? ..... ○ [1] NO ● [2] YES

2. How many days did you hunt this species? ..... No. Days Hunted: 2

3. Did you make a kill? ..... ○ [1] NO ● [2] YES

4. The animal killed was: ○ [1] YOUNG OF YEAR ● [2] ADULT FEMALE ○ [3] ADULT MALE

5. The kill was made during which time period? ○ [1] Before Sept. 15
○ [2] Sept. 15 - Oct 2 ○ [3] Oct 3 - Oct 30 ● [4] Oct 31 - Nov 20 ○ [5] Nov 21 - Nov 27 ○ [6] After Nov 27

6. Describe specific location of kill (geographic landmark).
1/2 mile west of

7. Indicate location and number of this species you saw during your 2005 hunting season (include sex & age if possible):
± 25 sheep - larger % → rams

Appendix 2

Microsoft Excel file containing hunting and harvest estimates, available electronically from the FWP website and upon request from the wildlife division.